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SITE CHARACTERIZATION REPORT
LYNDON ROAD LANDFILL

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SITE CHARACTERIZATION REPORT
LYNDON ROAD LANDFILL

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CERTIFICATION

I, **Bradley A. Kubiak**, certify that I am currently a New York State registered professional engineer. I certify that this Annual Report was prepared in substantial conformance with the Department of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10; NYSDEC 2010).

081039	**3/22/2024**	
NYS Professional Engineer #	Date	Signature

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LIST OF ACRONYMS AND ABBREVIATIONS

CAMP	Community Air Monitoring Program
EM31	Electromagnetic terrain conductivity
FSGVs	Freshwater Sediment Guidance Values
GPR	Ground Penetrating Radar
ILI	Inactive Landfill Initiative
IDW	Investigation Derived Waste
LL	Little League (landfill)
LR	Lyndon Road (landfill)
MCL	Maximum Contaminant Levels
MW	Monitoring Well
NAVD 88	North American Vertical Datum of 1988
NTUs	Nephelometric Turbidity Units
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSPCS	New York State Plane Coordinate System
PCBs	Polychlorinated Biphenyl
PFAS	Per- and Polyfluorinated Substances
PFOS	Perfluorooctane Sulfonic Acid
PID	Photoionization Detector
PPE	Personal Protective Equipment
ppb	parts per billion
ppt	parts per trillion
PVC	Polyvinyl Chloride
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SC	Site Characterization
SCOs	Soil Cleanup Objectives
SED	Sediment
SGVs	Standards and Guidance Values
SOW	Scope of Work
SPLP	Synthetic Precipitation Leaching Procedure
SVOCs	Semi-Volatile Organic Compounds
SW	Surface Water
TAL	Target Analyte List
TCL	Target Compound List
TICs	Tentatively Identified Compounds
TOC	Total Organic Carbon
TT	Test Trench
TCLP	Toxicity Characteristic Leaching Procedure
VOCs	Volatile Organic Compounds
WA	Work Assignment

1. INTRODUCTION

The Site Characterization of the Lyndon Road Landfill site (Site #828026B, referred herein as "the Site"), located on Lyndon Road, Fairport, New York (**Figure 1**), was conducted by Ramboll Americas Engineering Solutions, Inc. (Ramboll) for the New York State Department of Environmental Conservation (NYSDEC). Work was performed under Engineering Services Standby Contract Work Assignment #D009810-30, in accordance with the Scope of Work approved by NYSDEC on February 2, 2023. Field activities were conducted between February and May 2023.

1.1 Location

The Lyndon Road Landfill (formerly known as the Granger Landfill) is a 23.7-acre inactive landfill Site located at 80 Lyndon Rd in Fairport, Monroe County. The Site is bounded to the west by Lyndon Road and the Little League Landfill Site (NYSDEC Site #828026A) and to the north by residential properties and wooded vacant land. It is bounded to the east and south by Thomas Creek.

1.2 Site Features

The western and northern portion of the Site features a parking lot and the Rochester Ice Center. The remainder of the Site is mostly wooded. Thomas Creek is a Class B surface water body that flows south along the Site's eastern border, west along the southern boundary, and northwest through the southwestern section of the Site. Site topography slopes down to the east, southeast, and south toward Thomas Creek. The maximum relief is 25 to 30 feet in the northwest section of the Site.

Site features, tax parcels, and locations relevant to the Site Characterization (monitoring wells, sampling locations, etc.) are shown in **Figure 2**

1.3 Current Zoning and Land Use

The Site is zoned commercial as an indoor rink (Code 542) and is the location of the Rochester Ice Center. The property owner is 80 Lyndon Road, LLC. The Site and surrounding area are served by a public water supply.

The area immediately to the north, south, and west of the Site is zoned residential. The Fairport Little League baseball fields are immediately west of the Site and sit atop the historic Little League Landfill. Residential neighborhoods lie to the north on either side of Thomas Creek. The Erie Canal lies to the south of the Site. To the east, the area is zoned industrial and hosts multiple businesses and industrial buildings.

1.4 Past Use of the Site

As documented in a Phase II investigation (E&E, 1991), the landfill was reported to have begun operation in 1971 and was owned by Granger Landscape Service, Inc. Mr. Allen Granger applied for and received a permit to operate as a sanitary landfill, allowing the disposal of boards, wood debris, and rubble. The landfill operated until its closure in 1975, and no final inspection was completed. A 1979 New York State Department of Health report indicated that the landfill did not only receive garbage and may have received industrial wastes (E&E, 1991).

1.5 Previous Investigations

The 1991 Phase II investigation was conducted by Ecology and Environment Engineering, P.C. and included the adjacent Little League Landfill site (E&E, 1991). This investigation included an initial site reconnaissance, an electromagnetic terrain conductivity (EM31) survey, and a portable proton magnetometer survey around proposed monitoring well locations. The surveys were intended to define the site geological conditions, locate buried metals, and assess groundwater quality around potential monitoring well locations. The survey results suggested occasional instances of potential buried metallic debris or pipes and were used to confirm suitable monitoring well locations.

Four monitoring wells were installed at the Lyndon Road Landfill (identified as Granger Landfill in the document). Groundwater, surface water and sediment samples were collected for analysis for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, PCBs, metals, and cyanide. The results found the presence of phenols in the surface water and low concentrations of metals in some of the sediment samples. No constituents of concern were identified in the groundwater samples (E&E, 1991).

A Site groundwater investigation was completed in 2020 by Parsons Engineering (Parsons, 2020) as part of the NYSDEC Inactive landfill Initiative (ILI). The investigation included installation of four shallow groundwater monitoring wells and collection and analysis of groundwater samples. Soil borings used to install the wells documented that waste was present within 1-foot of grade and extended to between 7.5 and 27 feet below grade. Samples were analyzed for emerging contaminants and select VOCs, SVOCs, metals/inorganics, and landfill indicator parameters. The data revealed that per- and polyfluoroalkyl substances (PFAS) were present in concentrations as follows: perfluorooctanoic acid (PFOA): 740 to 8,100 ppt, Perfluorooctane Sulfonic Acid (PFOS): 62 to 290 ppt, and 1,4-Dioxane: 2 to 43 ppb (Parsons 2020). These concentrations are above the New York State Drinking Water Maximum Contaminant Levels (MCLs) and New York State's TOGS 1.1.1 groundwater guidance values (NYSDEC, 1998).

1.6 Project Objectives

The objective of this Site Characterization was to assess whether contaminants are present at the Site above applicable regulatory standards and guidance values and to provide information for NYSDEC and New York State Department of Health (NYSDOH) to make a significant threat determination. The Site Characterization evaluated the presence of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), 1,4-dioxane, per- and poly-fluoroalkyl substances (PFAS), inorganics, mercury, cyanide, and pesticides/herbicides in groundwater, surface water, soil, sediment, and fill material. Groundwater and surface water flow and on-Site geology were also evaluated.

2. SITE INVESTIGATION METHODS AND SUMMARY

The following sections summarize the field activities performed at the Site as part of the Site Characterization. Unless otherwise noted, the activities were conducted in accordance with the Schedule 1 scope of work (SOW) (Ramboll, 2023). Additionally, samples for Per- and Polyfluoroalkyl substances (PFAS) analysis were collected consistent with the November 2022 *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances* technical guidance document (NYSDEC, 2022).

2.1 Utility Location

A subsurface utility mark out was performed prior to intrusive activities to identify utilities (if present) and potential subsurface abnormalities in the vicinity of the drilling and trench locations. UDig NY was contacted by the drilling subcontractor to locate utilities prior to initiating intrusive activities. However, UDig NY only coordinates utility location for those companies subscribing to the service and will only identify subsurface lines on public property and rights-of-way. For this reason, Ravi Engineering & Land Surveying, P.C. was retained as a private utility locator to identify and mark utilities and anomalies in the work areas. On February 20, 2023, the utility locator used ground penetrating radar (GPR) and a metal detector to locate and mark subsurface utilities and/or anomalies in the intrusive work areas.

2.2 Tree and Brush Clearing

Targeted areas of trees and brush were cleared to facilitate access for drilling and excavation activities. Monitoring well and test trench locations were selected to minimize the need for tree and brush clearing while still achieving the Site Characterization objectives. Montalbano Tree Service, LLC was retained by Ramboll to perform the tree removal work on Site. A Site walk was conducted in late February to mark trees, and tree clearing was performed on March 1, 2023. Felled trees were left within the wooded portion of the Site.

2.3 Seep Inspection

A visual seep inspection was performed on Site to document and sample seep locations, if present. No seeps were observed on Site, and therefore, no seep samples were collected.

2.4 Monitoring Well Installation

Ramboll retained LaBella Associates to install three new monitoring wells on Site (LR-MW-05, LR-MW-06, and LR-MW-07) and one new monitoring well off Site (LR-MW-08) between February 23 and March 2, 2023. **Figure 2** shows monitoring well locations, and the following subsections summarize the activities performed for monitoring well installation.

2.4.1 Soil Borings

Soil borings for the monitoring wells were performed using hollow-stem augers, and soil samples were collected continuously using 2-inch split-spoon samplers. Soil and fill characteristics are summarized in soil boring logs (**Appendix 1)**. As outlined in the SOW, drilling spoils were placed on and covered by polyethylene sheets. These spoils were incorporated into the test trenches during trench backfilling as described **Section 2.5**.

Of note, potential medical waste (syringe) was observed in the drilling spoils at LR-MW-05.

2.4.2 Monitoring Well Details

Monitoring wells were constructed of 2-inch polyvinyl chloride (PVC) casing flush-threaded to a 10-foot long, #10 slot PVC screen. Where fill material was encountered, monitoring wells were screened in native material with the top of screen at least 3 feet below fill to evaluate potential contaminant migration to the groundwater within native material. Where fill material was not encountered, the monitoring well was screened to straddle the shallow water table. Filter pack sand was installed to approximately 2 feet above the screen, followed by a 2-foot bentonite seal, and finished with grout to grade. The PVC riser was cut approximately 3 feet above grade, and the well heads were completed with a metal stick-up protective casing set in a concrete pad. Drilling logs are provided in **Appendix 1**, and well construction details are summarized in **Table 1**.

2.4.3 Monitoring Well Development

The four newly-installed monitoring wells were developed between March 9 and March 13, 2023. Development was performed by surging and purging the well using a bailer to remove fine-grained material which may have settled within the well and to provide hydraulic communication with the surrounding formation. A minimum of five well volumes was purged from each well. Groundwater parameters were measured and recorded prior to development, after removal of each well volume, and at the conclusion of development. Parameters included depth to water, turbidity, pH, temperature, specific conductivity, and dissolved oxygen. Well development logs are provided in **Appendix 2**.

As outlined in the SOW, it was originally planned to discharge purged groundwater to the ground surface. Between 10 and 15 gallons of groundwater generated during well development was discharged to the ground near monitoring wells MW-05 and MW-07. After encountering an unmarked drum in test trench TT-04 (**Section 2.5**), it was decided in coordination with the NYSEDC project manager to containerize purged groundwater. Following that decision, the remainder of purged groundwater was containerized in a 55-gallon drum for waste characterization and off-Site disposal as described in **Section 2.9**.

2.5 Test Trench Excavation

Six test trenches, TT-01, TT-02, TT-03, TT-04, TT-06, and TT-07, were excavated on March 7 and March 8, 2023, to document and collect samples of fill material within the landfill for analysis. Trenches were approximately 8 to 10 feet long and 6 feet deep. Test trench locations are shown on **Figure 2**, trench logs are provided in **Appendix 3**, and a photolog is provided in **Appendix 4**. During excavation, topsoil or cover material at the trench location was segregated from subsurface fill. Once excavation was completed, trenches were backfilled with subsurface fill materials and drilling spoils first, followed by topsoil/cover material.

Excavation at test trench TT-02 was abandoned between 2 to 4 feet deep after encountering medical waste. Medical waste consisted of gauze, syringes, and blue and red medical waste bags. The excavation was subsequently backfilled, and the area was marked with caution tape. Medical waste consisting of IV tubing was also encountered in the root ball of a fallen tree near TT-04.

After encountering medical waste on the Site, a radiation detector was used on March 10, 2023, to check work areas for the potential presence of radioactive medical waste. Radiation measurements above background levels were not observed.

At test trench TT-04, an unmarked drum was encountered approximately 4.5 feet below the ground surface. The drum emitted a strong solvent odor and caused elevated photoionization detector (PID) readings in the work area. Workers were shifted to upwind of the drum, and excavation continued. The drum and surrounding material were segregated from other fill material, placed on a polyethylene sheet, sampled, and subsequently containerized on March 10, 2023, as described in **Section 2.9**.

2.6 Sampling

Soil, fill, groundwater, surface water, and sediment samples were collected during Site Characterization activities and sent to SGS North America for analyses. **Figure 3** shows the sample locations, **Table 2A** through **Table 2G** present a summary of the sample analyses completed, and **Appendix 5** provides the laboratory analytical results. The following subsections summarize the samples collected and analyses performed.

2.6.1 Surface and Subsurface Soil Sampling

12 surface and subsurface soil samples were collected from the monitoring well soil borings between February 23 and March 2, 2023 (**Section 2.4.1**). Samples were collected at 0-2 inches, 2-12 inches, and at depth (collection interval varied based on depth of fill and groundwater level – see **Table 2A**). Three of the collected samples were analyzed for TCL VOCs plus TICs, TCL SVOCs plus TICs, TCL PCBs, TAL inorganics, pesticides/herbicides, cyanide, 1,4-dioxane, and PFAS, and nine samples were analyzed for 1,4-dioxane and PFAS only.

2.6.2 Test Trench Sampling

15 samples were collected from surface and subsurface material during trench excavation on March 7 and March 8, 2023. Surface materials were collected from the 0-inch to 2-inch interval and analyzed for PFAS and 1,4-dioxane. Subsurface and fill materials were collected from the 2-inch to 12-inch interval and within the fill and analyzed for one or more of the following: TCL VOCs plus TICs, TCL SVOCs plus TICs, TCL PCBs, TAL inorganics, mercury, pesticides/herbicides, cyanide, 1,4-dioxane, PFAS, soil pH, total organic carbon, leachability of PFAS using Synthetic Precipitate Leaching Procedure (SPLP), and Toxicity Characteristic Leaching Procedure (TCLP) with quantification of TCLP VOCs, TCLP SVOCs, TCLP Pesticides, TCLP chlorinated herbicides, TCLP inorganics. **Table 2B** summarizes the intervals sampled and analyses performed.

2.6.3 Groundwater Sampling

Eight groundwater samples were collected from the four newly-installed monitoring wells (LR-MW-05 through LR-MW-08) and the four existing on-Site monitoring wells (LR-MW-01 through LR-MW-04) on March 21 and March 22, 2023. Samples were collected using low-flow techniques and peristaltic pumps. Sampling logs are included in **Appendix 6**.

It was initially planned to discharge purged groundwater to the ground surface. However, due to the unmarked drum encountered in test trench TT-04, purged groundwater was containerized in a 55-gallon drum for waste characterization and off-Site disposal (**Section 2.9**).

Samples from the four new monitoring wells were analyzed for TCL VOCs plus TICs, TCL SVOCs plus TICs, TCL PCBs, TAL inorganics, mercury, pesticides/herbicides, cyanide, 1,4-dioxane, and

PFAS. Samples from the four existing on-Site monitoring wells were analyzed for 1,4-dioxane and PFAS only. **Table 2C** summarizes the groundwater sample analyses performed.

2.6.4 Surface Water and Sediment Sampling

Surface water and sediment samples were collected from Thomas Creek on March 23, March 24, and April 26, 2023. Eight co-located surface water and sediment samples (SW/SED-01 through SW/SED-06, SW/SED-08, and SW/SED-09) were collected along with two additional surface water samples (SW-INT and SW-07) on March 23 and March 24, 2023. However, the SED-09 sample was analyzed for PFAS outside hold time. For this reason, an additional surface water sample and sediment sample were collected at this location on April 26, 2023. Sample locations are shown in **Figure 3**, and a photolog showing sampling locations is provided in **Appendix 7**.

Samples were collected beginning from the most downstream location (SW/SED-01) and moving progressively upstream (toward SW/SED-09). Surface water samples were collected first, followed by sediment samples.

Four sediment samples and five surface water samples were analyzed for TCL VOCs plus TICs, TCL SVOCs plus TICs, TCL PCBs, TAL inorganics, mercury, pesticides/herbicides, cyanide, 1,4-dioxane, and PFAS. Four sediment samples and five surface water samples were analyzed for 1,4-dioxane and PFAS only. Surface water sample analyses are summarized in **Table 2D**, and sediment sample analyses are summarized in **Table 2E**.

The additional surface water sample SW-INT was collected in a predominantly stagnant pool of water in a low area between the south end of the parking lot and Thomas Creek (**Figure 3**). This pool was connected to the main channel of Thomas Creek. A potentially oily sheen (quickly recoalesced when disturbed) was observed along the edges of the pool. The sample was collected to assess whether the pool contained Site-related constituents that could potentially migrate to Thomas Creek.

The additional surface water sample SW-07 was collected adjacent to monitoring well LR-MW-02. The 2020 LR-MW-02 groundwater sample contained the highest perfluorooctanoic acid (PFOA) concentration of the four wells sampled at that time (Parsons, 2020). The SW-07 sample was collected to quantify PFAS concentrations in Thomas Creek adjacent to this well.

2.7 Data Validation

Laboratory-generated analytical data, except for waste characterization sample results, were validated in accordance with the Quality Assurance Project Plan (QAPP). A data usability summary report (DUSR) conforming to Appendix 2B of DER-10 was prepared by the validator. All data were deemed usable with appropriate qualification. Data validation reports are provided in **Appendix 8**.

2.8 Groundwater and Surface Water Elevations

Water elevations were measured in the 16 monitoring wells and at the seven temporary staff gauges in Thomas Creek shown on **Figure 4**. Measurements were collected at all locations except monitoring well LL-MW-XX on March 20, 2023. Groundwater elevation was measured in LL-MW-XX and its nearest monitoring well (LL-MW-01) on March 21, 2023. Groundwater and

surface water elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).

2.9 Investigation Derived Waste Management and Waste Characterization Sampling

Due to the solvent-like odors emanating from the unmarked drum at test trench TT-04, a decision was made to contain and dispose of potentially impacted materials off Site. Materials that were managed as investigation-derived waste (IDW) included the drum and adjacent fill material from TT-04, well development and purge water from the monitoring wells, equipment decontamination water, PPE, and disposable sampling supplies and materials.

Three waste characterization samples were collected on March 10, 2023, from the soil/fill material immediately around the drum. These samples were analyzed for TCL and TCLP VOCs plus TICs, TCL and TCLP SVOCs plus TICs, TCL PCBs, TAL and TCLP inorganics (including mercury), pesticides/herbicides, TCLP pesticides/herbicides, cyanide, PFAS, cyanide/sulfide reactivity, corrosivity as pH, and ignitability. After sample collection, the unmarked drum and surrounding soil/fill material were containerized in steel drums.

Purge water from monitoring well development was also containerized for off-site disposal. The sample from the containerized water was analyzed for TCL VOCs, TCL SVOCs, TCL PCBs, TAL inorganics, mercury, pesticides/herbicides, cyanide/sulfide reactivity, corrosivity as pH, and ignitability.

Steel drums containing IDW were staged at the south end of the Site parking lot and consisted of the following:

- One overpack 85-gallon drum containing the unmarked drum excavated from TT-04.
- Two drums containing fill material surrounding the unmarked drum.
- Two 55-gallon drums containing PPE, disposable sampling equipment, buckets, bailers, and other disposable project materials.
- One 55-gallon drum of purge water from monitoring well development and sampling.

Transport and disposal operations were performed by T&R Environmental. All six drums from this Site Characterization were picked up from Site on September 13, 2023, and disposed as hazardous waste at Solvents and Petroleum Service in Syracuse, NY. Manifests and waste profiles are included in **Appendix 9**.

2.10 Air Monitoring

A community air monitoring program (CAMP) was implemented during intrusive activities. CAMP monitoring comprised upwind, downwind, and work area VOCs monitoring and upwind and downwind particulate monitoring. No downwind alarms were triggered, and CAMP monitoring data is provided in **Appendix 10**.

2.11 Survey

A Site survey was completed by Ravi Engineering & Land Surveying, P.C. on April 4, 2023, to establish the following:

- Location and elevations (top of casing and ground elevation) for the four newly-installed monitoring wells, the four existing on-Site monitoring wells, and eight off-Site monitoring wells

- Location and elevation of temporary staff gauges installed in Thomas Creek
- Surface water/sediment sample locations
- Location and horizontal limits of the test trenches

The horizontal datum was referenced to the North American Datum of 1983 (2011), New York State Plane Coordinate System (NYSPCS) Western Zone. The vertical datum was referenced to NAVD 88. The survey map is included as **Appendix 11**.

3. GEOLOGY AND HYDROGEOLOGY

The Site lies within the Central Lowland physiographic province (Eastern Lake Section) of New York. The area is primarily mantled by glacial till and laminated lacustrine clay and silt deposits. The till consists of unconsolidated, poorly sorted clay, silt and/or sand deposits of relatively low permeability (loamy matrix).

Elevations of the Site surface range from approximately 460 to 490 feet above mean sea level (AMSL). The highest elevation is located on the northern side with the land surface sloping downward to the south, east and west. Thomas Creek borders the base of the slope on each side and flows to the west.

Investigations completed to date reveal that the site is generally covered with between 7 and 27.5 feet of waste material consisting of granular fill, construction debris (wood, brick, concrete) metal, municipal waste, plastics, and other debris. The fill material extends to the edges of Thomas Creek. Of note, a crushed drum containing a saturated foam-like material emitting a strong solvent odor and materials appearing to be medical waste were also observed within the fill. Additional details from Site Characterization field activities are provided in **Section 3.1**.

Drilling logs suggest that most of the waste material is unsaturated with water present in the bottom 1 to 4 feet of the fill, particularly in wells near the creek. The base of the fill is at or below the creek elevation. No active seeps were identified during the site activities. However, a small, low-lying wet area with a potentially oily sheen was identified in the southern portion of the site as discussed in **Section 2.6.4**.

The waste is underlain by native deposits consisting of interbedded fine sand, silt, and clay followed at depth by glacial till. Site bedrock was encountered during the initial Phase II investigation (E&E, 1991) at depths ranging from 43 to 50 feet below grade on the northern side to 24 to 28 feet below grade on the east side near the creek. Accounting for fill noted in the Phase II boring logs, approximately 24 to 36 feet of native unconsolidated deposits are present beneath the Site fill. The underlying bedrock is the Vernon Shale which is weathered at the surface.

Monitoring wells completed during the previous investigation have screens set within the fill material and partially into the underlying native materials in some cases. Wells installed during the Site Characterization were placed to screen the native deposits. A set of groundwater elevation measurements were collected in March 2023 from 16 wells located both on Site and off Site (**Table 4**). These data were used together with stream gauge measurements to prepare a groundwater flow contour map provided as **Figure 4**. Due to the lack of water-producing material, the screen of Well LR-MW-07 was set into an isolated sand and gravel unit within the clayey silt deposits at a depth of 24 feet below the fill. Therefore, the groundwater elevation at this well was not used to develop the contours. As illustrated on **Figure 4**, the groundwater elevations beneath the Site vary by no more than 1 foot, and the general flow direction is from the north radially to the creek on the east, west, and south. Evaluating the groundwater elevations in the off-Site wells, the overall flow gradient is toward the west.

3.1 Observed Fill Composition

The following paragraphs summarize the subsurface materials encountered during test trench excavation. Additional details are provided in the test trench logs in **Appendix 3**, and a photolog is provided in **Appendix 4**.

At TT-01, fill materials were observed at the surface and throughout the trench. Fill materials included large quantities of plastics, glass, fabrics, carpet, and cellophane, and some pieces of asphalt and shingles.

TT-02 was covered with approximately 0.5 feet of sandy topsoil. Beneath the topsoil, metal fragments, plastics, concrete, cinder blocks, rubber material, and medical waste (blue and red bags, gauze, and syringes) were encountered. The medical waste was primarily observed between 2-4 feet below ground surface.

TT-03 was primarily composed of sand with asphalt pieces and cobbles. Pieces of concrete, ceramics, brick, wood, wire, and plastics were also encountered.

TT-04 was composed of sand and gravel mixed with fill materials such as slag glass, railroad ties, ink rollers, Styrofoam, metal, cloth, tarps, and other waste. Additionally, a partially crushed, unmarked metal drum was recovered at 4.5 feet. The drum emitted a strong solvent odor, and the drum and surrounding material were disposed of off-Site as described in **Section 2.9**.

TT-06 was covered by grass and topsoil. Beneath the topsoil and vegetation, the trench was composed of sand containing fill materials such as metal parts, wood, bricks, concrete, and roofing materials. Groundwater was present at approximately 3.5 feet below ground surface.

At TT-07, sand mixed with fill materials was observed. Fill materials consisted of asphalt, plastics, tarp material, wood, carpet fragments, Styrofoam, metal parts, and rubber.

4. SITE CHARACTERIZATION RESULTS

This section presents the Site Characterization results. Results include comparison of detected constituent concentrations in sampled media to applicable New York State standards and guidance values to identify potential Site-related constituents of concern (COCs). The sample results and comparison criteria are summarized in the following sections.

4.1 Sample Results

Analytical results were compared to the following:

- Concentrations of detected soil constituents are compared to 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs), Commercial Use SCOs, and to Protection of Groundwater SCOs for constituents that are also detected in groundwater (NYSDEC, 2006).
- Detections of constituents in groundwater are compared to NYSDEC Standards and Guidance Values (SGVs) for Class GA groundwater in the Technical and Operational Guidance Series (TOGS) 1.1.1 and subsequent amendments (NYSDEC, 1998).
- Constituents detected in surface water are compared to SGVs for freshwater fish propagation [A(C)] for a Class B water body. The health (water source) [H(WS)] SGVs are also included for reference, but exceedances of these SGVs are not shown since H(WS) is associated with Class A waterbodies (NYSDEC, 1998; NYSDEC, 1999).
- Detections in sediment are compared to NYSDEC Freshwater Sediment Guidance Values (FSGVs), Class A and C (NYSDEC, 2014). Based on the low concentrations observed in sediment samples, results were not adjusted against the measured TOC values.

For PFAS analyses, concentrations of detected constituents in soil samples are compared to the Unrestricted Guidance Values (GVs), Commercial GVs, and Protection of Groundwater GVs as presented in the April 2023 *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances* technical guidance document (NYSDEC, 2023). Detections in groundwater, surface water, and soil-based SPLP PFAS analyses are compared to SGVs presented in the 2023 addendum the TOGS 1.1.1 (NYSDEC 1998). Groundwater detections and SPLP PFAS analyses are compared to Class GA groundwater SGVs, and surface water detections are compared to Class A(C) surface water. PFAS guidelines for sediment have not been established.

Figures 5-9 show PFAS and 1,4-dioxane detections, **Figure 10** summarizes exceedances of relevant SGVs for all media excluding PFAS and 1,4-dioxane, and **Figure 11** compares PFAS concentrations in on-Site monitoring wells screened partially within the fill and on-Site wells screened entirely below fill.

4.1.1 Soil and Fill Samples

Surface and subsurface soil/fill samples were collected during installation of the four monitoring wells and from the test trenches as described in **Section 2.6.1** and **2.6.2**. **Table 2A** and **Table 2B** summarize the laboratory analyses performed for the monitoring well soil/fill samples and test trench soil/fill samples, respectively.

4.1.1.1 Surface Soil Samples

Surface soil samples were collected at LR-MW-05, LR-MW-06, LR-MW-07, LR-MW-08, TT-01, TT-02, and TT-03. **Table 3A** displays detected constituents and exceedances of the SCOs shown. No detected constituents exceeded the Commercial SCOs. PFOA and/or PFOS concentrations exceeded the Unrestricted and/or Protection of Groundwater SCOs at LR-MW-05, LR-MW-08, TT-01, TT-02, and TT-03, with a maximum detection of approximately 55.0 µg/kg PFOA at LR-TT-01. Other PFAS were present at some locations, though criteria have not yet been developed for these constituents.

4.1.1.2 Subsurface Soil and Fill Samples

Subsurface soil and fill samples were collected from the four new monitoring well borings and the six test trenches as described in **Section 2.6**. **Table 3B** displays detected constituents and exceedances of the applicable SCOs. PFOA/PFOS concentrations did not exceed the Commercial SCOs in any of the subsurface samples. However, PFOA/PFOS concentrations at LR-MW-08, TT-01, TT-02, TT-04, TT-06, and TT-07 exceeded the Unrestricted and/or Protection of Groundwater SCOs, with a maximum detection of 48.7 µg/kg PFOS in the 6-8-foot interval at LR-MW-05. The only Commercial SCO exceedance was benzo(a)pyrene (1.69 mg/kg) at LR-MW-05 in the 6-8-foot interval. This interval also had exceedances of one or both Unrestricted and/or Protection of Groundwater SCOs for Inorganics, VOCs, SVOCs, PFOS/PFOA, pesticides, and PCBs.

4.1.1.3 Synthetic Precipitate Leaching Procedure Samples

PFAS leachability was evaluated through the SPLP analyses performed on test trench samples. One sample was collected from each test trench in the 2-inch to 12-inch interval, and two samples were collected from fill material within test trenches TT-01 and TT-04 (eight total samples). SPLP PFAS results are shown on **Table 3C**. The maximum PFOA or PFOS detection in the 2-inch to 12-inch interval samples was 239 ng/L PFOS at test trench TT-03, and the maximum detection in the fill samples was 296 ng/L PFOA at test trench TT-01. PFOA and/or PFOS concentrations exceeded the Class GA SGVs at each sampled location except test trench TT-06, where there were no PFAS detections.

4.1.2 Groundwater Samples

Groundwater samples were collected from three new monitoring wells installed on Site (LR-MW-05 through LR-MW-07), one new monitoring well installed off Site (LR-MW-08), and the four existing monitoring wells (LR-MW-01 through LR-MW-04) as described in **Section 2.6.3**. **Table 2C** summarizes the laboratory analyses performed for the groundwater samples. **Table 3D** displays detections from these analyses and exceedances of the Class GA SGVs. Exceedances of inorganic compounds, PFAS, and/or 1,4-dioxane were observed at some locations.

PFAS concentrations in the four existing on-Site wells exceeded the Class GA SGVs for both PFOA and PFOS, with a maximum detection of 5,470 ng/L PFOS at LR-MW-02. In contrast, of the three newly installed wells located on-Site, only LR-MW-05 had PFOS and PFOA exceedances, with a maximum detection of approximately 24.0 ng/L PFOA. **Figure 11** displays the PFAS concentrations in the seven on-Site wells and shows the higher concentrations in the four existing wells. A greater diversity of PFAS were also detected in the existing wells as compared to the newly installed wells. The number of PFAS compounds detected ranged from 11 to 16 in the existing wells and ranged from zero to eight in the newly-installed on-Site wells. These differences are likely due to the existing wells being screened partially within fill material, while

the new wells were screened entirely below fill material. PFAS were also detected in the off-Site well (LR-MW-08), including a slight PFOA exceedance (9.4 ng/L measured; 6.7 ng/L SGV).

1,4-dioxane concentrations exceeded Class GA SGVs in three of the four existing on-Site wells, with a maximum detection of 9.13 µg/L at LR-MW-04. In contrast, only LR-MW-05 of the three new on-Site wells had a 1,4-dioxane exceedance, with a concentration of 2.87 µg/L. The 1,4-dioxane concentration in the new well LR-MW-05 was within the range of concentrations in the existing wells (LR-MW-01 through LR-MW-04). 1,4-dioxane was either not detected or its concentration was below Class GA SGVs at LR-MW-06, LR-MW-07, and LR-MW-08.

The 2023 analytical results for PFAS and 1,4-dioxane were compared to the 2020 results for the four existing monitoring wells (Parsons, 2020). 2023 PFAS results were generally similar to the 2020 PFAS concentrations. In both sampling events, the PFOA concentrations were substantially higher than the PFOS concentrations at each location, and the maximum PFOA detections were found at LR-MW-02 (8,100 ng/L in 2020 and 5,470 ng/L in 2023). In contrast, 2023 1,4-dioxane concentrations were mostly lower than 2020 concentrations. In 2020, 1,4-dioxane concentrations in LR-MW-01, -02, and -03 ranged from 2.2 to 43 µg/L, while in 2023, they ranged from 0.265 µg/L to 1.88 µg/L. The 1,4-dioxane concentration in LR-MW-04 did not follow this trend and was higher in 2023 (9.13 µg/L) than in 2020 (2.0 µg/L).

For inorganic compounds, samples from the four new monitoring wells contained exceedances of iron, magnesium, manganese, and/or sodium. However, these minerals are naturally-occurring, and concentrations may be due in part to suspended sediment in the samples at the time of sampling, and not representative of metals dissolved in the groundwater. The final turbidity readings noted in the low-flow sampling logs (**Appendix 6**) ranged from 47-98 nephelometric turbidity units (NTUs).

4.1.3 Surface Water Samples

Surface water samples were collected from Thomas Creek (Class B water body) and connected waters as described in **Section 2.6.4**. The two most downstream sample locations (SW-01 and SW-02) were not immediately adjacent to the Site, while the other eight locations (SW-03 through SW-09 and SW-INT) were adjacent to or within the Site. **Table 2D** summarizes the laboratory analyses performed for the groundwater samples. **Table 3E** displays detections from these analyses and exceedances of the A(C) SGVs. H(WS) SGVs are also shown for reference, but exceedances are not identified nor discussed below.

PFOS and/or PFOA were detected in each of the surface water samples, though none exceeded the Class A(C) SGVs. With the exception of LR-SW-INT, detected surface water PFOA/PFOS concentrations were low compared to the Class A(C) SGVs and ranged from approximately 1.4 ng/L to 14 ng/L. In contrast, PFOS and PFOA concentrations at LR-SW-INT were 147 ng/L and 586 ng/L, respectively. Excluding LR-SW-INT, surface water samples exhibited minimal variability from upstream to downstream locations. As described in **Section 2.6.4**, LR-SW-INT was collected from a predominantly stagnant pool of water, which may have contributed to higher PFAS concentrations observed at that location. 1,4-dioxane was not detected in surface water samples other than LR-SW-INT.

Samples from LR-SW-01, LR-SW-03, LR-SW-INT, and LR-SW-09 exceeded the SGV for iron. No other constituents were detected above the A(C) SGVs. Sample LR-SW-INT contained relatively high concentrations of inorganics and PFAS compared to the other surface water locations.

4.1.4 Sediment Samples

Sediment samples were collected along the Thomas Creek shoreline area as described in **Section 2.6.4**. Two most downstream sample locations (SED-01 and SED-02) were not immediately adjacent to the Site, and the other six locations (SED-03 through SED-09; no sediment sample was collected at location 07) were adjacent to the Site. **Table 2E** summarizes the laboratory analyses performed for the groundwater samples. **Table 3F** displays analytical detections and guidance value exceedances.

PFOS and PFOA were detected in each of the sediment samples, with concentrations ranging from approximately 0.19 µg/kg to approximately 18.9 µg/kg. FSGVs do not currently exist for PFOS/PFOA in sediments. 1,4-dioxane was not detected in the sediment samples.

LR-SED-09 was the only location where exceedances of FSGVs were observed. At this location zinc exceeded the Class A FSGVs, and lead exceeded the Class C FSGV.

4.2 Waste Characterization Samples

Solid and liquid waste characterization samples were collected, and the detections are presented in **Table 3G** and **Table 3H**, respectively.

5. SITE CHARACTERIZATION SUMMARY AND CONCLUSION

The objective of this Site Characterization was to assess whether contaminants are present at the Site above applicable regulatory standards and guidance values. The following sections summarize results and conclusions based on the field work and data evaluation performed.

5.1 Site Characteristics

A landfill was operated on the Site between 1971 and 1975 (E&E, 1991), and investigations suggest fill extends from within 1 foot of grade to or below the level of Thomas Creek across the Site. The fill is underlain by native deposits consisting of interbedded fine sand, silt, and clay followed at depth by glacial till. Weathered Vernon Shale bedrock lies between 24 to 50 feet below grade. Surface elevation at the Site ranges from approximately 460 to 490 feet AMSL.

Water elevations were measured in on-Site wells, off-Site wells, and along Thomas Creek on March 20 and March 21, 2023. Groundwater elevations below the Site varied by no more than 1 foot, and the flow gradient was radially from the landfill to the creek. The overall area groundwater flow gradient was from east to west.

5.2 Fill Extents and Materials

Based on the results of this Site Characterization, fill material extends nearly to Thomas Creek and is present between Thomas Creek and Lyndon Road as shown on the figures included with this report. Observed fill material included granular fill, concrete, metal, lumber, brick, plastics, glass, tarps, fabrics, carpet, asphalt, roofing materials, rubber, ink rollers, medical waste, and an unmarked drum. The unmarked drum was filled with saturated foam-like material emitting strong solvent odors and was excavated from test trench TT-04. The unmarked drum and surrounding fill material was disposed of off Site as hazardous waste. Medical waste was encountered within test trench TT-02, in the soil boring spoils of monitoring well MW-05, and at the surface near MW-05 and TT-04. The medical waste was left on Site as follows:

- TT-02 medical waste was placed back in the TT-02 trench and covered with Site topsoil.
- The medical waste in MW-05 spoils were incorporated into TT-04 during backfilling.
- The medical waste at the surface near MW-05 and TT-04 was not disturbed.

5.3 Surface and Subsurface Soil Samples

Surface and subsurface samples were collected from test trenches and the soil borings performed for monitoring well installation. Surface soil had no exceedances of Commercial SCOs, though PFOS/PFOA exceedances of the Protection of Groundwater and/or Unrestricted SCOs were found at some locations. In subsurface soils, benzo(a)pyrene in the LR-MW-05 6-8-foot interval sample was the only exceedance of Commercial SCOs. This location generally had the highest concentrations of detected constituents, including other exceedances of the Unrestricted and/or Protection of Groundwater SCOs. PFOS/PFOA exceedances of the Protection of Groundwater and/or Unrestricted SCOs were found at some other sample locations. Minimal detections and no exceedances of the SCOs were observed in the TCLP analyses. Samples analyzed for PFAS leachability through SPLP analyses had PFAS detections and PFOS/PFOA exceedances of Class GA groundwater SGVs.

5.4 Groundwater Samples

Groundwater samples were collected from eight monitoring wells. On-Site monitoring wells partially screened within the fill (LR-MW-01 through LR-MW-04) had substantially higher PFOS/PFOA concentrations than samples collected from on-Site wells screened below the fill (LR-MW-05 through LR-MW-07). These results suggest that there has been limited migration of PFAS into the native material beneath the fill. One well screened below the fill (LR-MW-05) had exceedances of PFOS, PFOA, and 1,4-dioxane compared to the Class GA SGVs, while LR-MW-06 and LR-MW-07 did not have PFOS, PFOA, or 1,4-dioxane exceedances. Seven PFAS (including a slight exceedance of PFOA) were detected in off-Site well LR-MW-08, though PFAS concentrations were much lower at this location than the on-Site wells screened within the fill.

5.5 Surface Water Samples

Surface water samples were collected from Thomas creek adjacent to and downstream of the Site. Most sample concentrations exceeded the iron SGV for fish propagation [A(C)], but there were no other exceedances of Class A(C) SGVs. PFAS detections primarily consisted of PFBA, PFOA, and PFOS, and concentrations were low compared to the Class A(C) SGVs. PFAS concentrations showed minimal variability from upstream to downstream surface water sample locations.

Concentrations of most detected constituents were highest in the SW-INT sample. This sample was collected in a mostly stagnant pool of water connected to the main channel of Thomas Creek. The results suggest this pool receives more focused discharge of Site-related constituents compared to the main body of Thomas Creek.

5.6 Sediment Samples

Sediment samples were collected concurrently with surface water samples along Thomas Creek. LR-SED-9 was the only sampled location with exceedances of the FSGVs. Lead exceeded the Class C FSGV, and zinc exceeded the Class A FSGV at this location. PFOS and PFOA were detected in all sediment samples collected during this Site Characterization, while 1,4-dioxane was not detected.

6. REFERENCES

E&E, 1991. *Engineering Investigations at Inactive Hazardous Waste Sites in the State of New York - Phase II Investigations*. Ecology and Environment Engineering, p.c. 368 Pleasantview Drive, Lancaster, New York 14086.

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TABLES

Table 1
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Monitoring Well Construction Details

Location ID	Well Material	Northing	Easting	Total Depth ft bgs	Screen Interval ft bgs	Ground Elevation (Top of Concrete Pad) ft	Screen Elevation ft	Top of Well Cap ft	Top of PVC Casing ft
LR-MW-01	PVC	1128894.458	1464590.228	23	13-23	475.21	452 - 462	478.51	478.24
LR-MW-02	PVC	1128572.926	1464734.293	15	10-15	464.98	450 - 455	468.36	468.03
LR-MW-03	PVC	1128366.327	1464536.427	31	26-31	485.14	454 -459	488.64	488.13
LR-MW-04	PVC	1128193.094	1464261.621	29	19-29	475.39	446 - 456	478.85	478.54
LR-MW-05	PVC	1128035.73	1464426.91	26	16-26	466.17	440 - 450	469.39	468.97
LR-MW-06	PVC	1128319.93	1463885.18	22	12-22	462.95	441 - 451	466.36	466.12
LR-MW-07	PVC	1128938.20	1464200.75	40	28-38	471.84	434 - 444	474.68	473.71
LR-MW-08	PVC	1128493.54	1465506.74	16	6-16	469.45	453 - 463	472.35	471.93

Notes:

1. Monitoring wells LR-MW-01 through LR-MW-04 were installed by Parsons in 2020 (Parsons, 2020. Field Activities Summary Report. Inactive Landfill Initiative Work Assignments #D007623-33 / D009811-02). Survey data from this 2023 site characterization are shown for these wells.
2. Elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88)
3. Horizontal datum was referenced to the North American Datum of 1983 (2011), New York State Plane Coordinate System (NYSPCS) Western Zone
4. Abbreviations: bgs - below ground surface; ft - feet

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Table 2A
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Soil Boring Sample Summary

		Analysis:	PFAS	1,4-Dioxane	TCL VOCs + TICs	TCL SVOCs + TICs	Herbicides	Pesticides	TCL PCBs	TAL Inorganics	Cyanide
		Method:	1633	SW846 8270E	SW846 8260D	SW846 8270E	SW846 8151A	SW846 8081B	SW846 8082A	Metals Digestion	
Location ID	**Sample ID**	**Interval (ft bgs)**									
LR-MW-08	LR-MW08-0.0-0.2-022323	0-0.2	X	X							
LR-MW-08	LR-MW08-0.2-1.0-022323	0.2-1	X	X							
LR-MW-08	LR-MW08-08-09-022323	8-9	X	X							
LR-MW-05	LR-MW05-0.0-0.2-022323	0-0.2	X	X							
LR-MW-05	LR-MW05-0.2-1.0-022723	0.2-1	X	X							
LR-MW-05	LR-MW05-06-08-030223	6-8	X	X	X	X	X	X	X	X	X
LR-MW-06	LR-MW06-0.0-0.2-032323	0-0.2	X	X							
LR-MW-06[1]	LR-MW06-0.2-1.0-022423	0.2-1	X	X	X	X	X	X	X	X	X
LR-MW-06	LR-MW06-08-09-022423	8-9	X	X							
LR-MW-07[2]	LR-MW07-0.0-0.2-022723	0-0.2	X	X	X	X	X	X	X	X	X
LR-MW-07	LR-MW07-0.2-1.0-022723	0.2-1	X	X							
LR-MW-07	LR-MW07-22-24-022723	22-24	X	X							

Notes:

1. MS/MSD collected

2. Sample duplicate DUP-0227223 collected; VOCs sample collected from 0-0.5' interval

3. Abbreviations: bgs - below ground surface, PFAS - polyfluoroalkyl substances, TCL - target contaminant list, VOCs - volatile organice compounds, TICs - tentatively identified compounds, SVOCs - semi-volatile organic compounds, PCBs - polycholorinated biphenyls, TAL - target analyte list, MS - matrix spike, MSD - matrix spike duplicate

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Table 2B
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Trench Soil Sample Summary

		Analysis:	PFAS	1,4-Dioxane	TCL VOCs + TICs	TCL SVOCs + TICs	Herbicides	Pesticides	TCL PCBs	TAL Inorganics	Cyanide
		Method:	1633	SW846 8270E	SW846 8260D	SW846 8270E	SW846 8151A	SW846 8081B	SW846 8082A	Metals Digestion	
Location ID	**Sample ID**	**Interval (ft bgs)**									
TT-01	LR-TT01-0.0-0.2-030723	0-0.2	X	X							
TT-01	LR-TT01-0.2-1.0-030723	0.2-1	X	X							
TT-01	LR-TT01-05-06-030723	5-6									
TT-01	LR-TT01-FILL-030723	-									
TT-02	LR-TT02-0.0-0.2-030723	0-0.2	X	X							
TT-02[2]	LR-TT02-0.2-1.0-030723	0.2-1	X	X	X	X	X	X	X	X	X
TT-03	LR-TT03-0.0-0.2-030723	0-0.2	X	X							
TT-03	LR-TT03-0.2-1.0-030723	0.2-1	X	X							
TT-03	LR-TT03-05-06-030723	5-6									
TT-04	LR-TT04-0.2-1.0-030723	0.2-1	X								
TT-04	LR-TT04-02-03-030723	2-3	X	X							
TT-06	LR-TT06-0.2-1.0-030823	0.2-1	X								
TT-06	LR-TT06-04-05-030823	4-5	X	X							
TT-07	LR-TT07-0.2-1.0-030723	0.2-1	X								
TT-07	LR-TT07-04-05-030723	4-5	X	X							

Notes:

1. TCLP analyses: VOCs (8260D), SVOCs (8270E), herbicides (8151A), pesticides (8081B), inorganics

2. MS, MSD, and sample duplicate collected (DUP-030723)

3. Abbreviations: bgs - below ground surface, PFAS - polyfluoroalkyl substances, SPLP - sythetic precipitation leaching procedure, TCL - target contaminant list, VOCs - volatile organice compounds, TICs - tentatively identified compounds, SVOCs - semi-volatile organic compounds, PCBs - polycholorinated biphenyls, TAL - target analyte list, TCLP - toxicity characteristic leaching procedure, MS - matrix spike, MSD - matrix spike duplicate

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Table 2B
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Trench Soil Sample Summary

		Analysis:	PFAS	Total Organic Carbon	Leachability	pH/ Temperature
		Method:	SPLP	Lloyd Kahn	TCLP[1]	
Location ID	Sample ID	Interval (ft bgs)				
TT-01	LR-TT01-0.0-0.2-030723	0-0.2				
TT-01	LR-TT01-0.2-1.0-030723	0.2-1	X	X		
TT-01	LR-TT01-05-06-030723	5-6			X	x
TT-01	LR-TT01-FILL-030723	-	X			
TT-02	LR-TT02-0.0-0.2-030723	0-0.2				
TT-02[2]	LR-TT02-0.2-1.0-030723	0.2-1	X	X		X
TT-03	LR-TT03-0.0-0.2-030723	0-0.2				
TT-03	LR-TT03-0.2-1.0-030723	0.2-1	X			X
TT-03	LR-TT03-05-06-030723	5-6			X	X
TT-04	LR-TT04-0.2-1.0-030723	0.2-1	X	X		X
TT-04	LR-TT04-02-03-030723	2-3			X	X
TT-06	LR-TT06-0.2-1.0-030823	0.2-1	X	X		X
TT-06	LR-TT06-04-05-030823	4-5			X	X
TT-07	LR-TT07-0.2-1.0-030723	0.2-1		X		X
TT-07	LR-TT07-04-05-030723	4-5			X	

Notes:

1. TCLP analyses: VOCs (8260D), SVOCs (8270E), herbicides (8151A), pesticides (8081B), inorganics

2. MS, MSD, and sample duplicate collected (DUP-030723)

3. Abbreviations: bgs - below ground surface, PFAS - polyfluoroalkyl substances, SPLP - sythetic precipitation leaching procedure, TCL - target contaminant list, VOCs - volatile organice compounds, TICs - tentatively identified compounds, SVOCs - semi-volatile organic compounds, PCBs - polycholorinated biphenyls, TAL - target analyte list, TCLP - toxicity characteristic leaching procedure, MS - matrix spike, MSD - matrix spike duplicate

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Table 2C
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Groundwater Sample Summary

	Analysis:	PFAS	1,4-Dioxane	TCL VOCs + TICs	TCL SVOCs + TICs	Herbicides	Pesticides	TCL PCBs	TAL Inorganics	Cyanide
	Method:	1633	SW846 8270E SIM	SW846 8260D	SW846 8270E	SW846 8151A	SW846 8081B	SW846 8082A	Metals Digestion	
Location ID	**Sample ID**									
LR-MW-01	LR-MW01-032223	X	X							
LR-MW-02	LR-MW02-032223	X	X							
LR-MW-03	LR-MW03-032123	X	X							
LR-MW-04	LR-MW04-022223	X	X							
LR-MW-05[1]	LR-MW05-032123	X	X	X	X	X	X	X	X	X
LR-MW-06	LR-MW06-032223	X	X	X	X	X	X	X	X	X
LR-MW-07[2]	LR-MW07-032223	X	X	X	X	X	X	X	X	X
LR-MW-08	LR-MW08-032123	X	X	X	X	X	X	X	X	X

Notes:

1. Sample duplicate DUP-032123 collected

2. MS/MSD collected

3. Abbreviations: PFAS - polyfluoroalkyl substances, TCL - target contaminant list, VOCs - volatile organice compounds, TICs - tentatively identified compounds, SVOCs - semi-volatile organic compounds, PCBs - polycholorinated biphenyls, TAL - target analyte list, MS - matrix spike, MSD - matrix spike duplicate

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Table 2D
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Surface Water Sample Summary

	Analysis:	PFAS	1,4-Dioxane	TCL VOCs + TICs	TCL SVOCs + TICs	Herbicides	Pesticides	TCL PCBs	TAL Inorganics	Cyanide
	Method:	1633	SW846 8270E SIM	SW846 8260D	SW846 8270E	SW846 8151A	SW846 8081B	SW846 8082A	Metals Digestion	
Location ID	**Sample ID**									
LR-SW-1	LR-SW1-032323	X	X	X	X	X	X	X	X	X
LR-SW-2	LR-SW2-032323	X	X							
LR-SW-3[1]	LR-SW3-032323	X	X	X	X	X	X	X	X	X
LR-SW-4	LR-SW4-032323	X	X							
LR-SW-5[2]	LR-SW5-032423	X	X	X	X	X	X	X	X	X
LR-SW-6	LR-SW6-032423	X	X							
LR-SW-INT	LR-SW-INT-032423	X	X	X	X	X	X	X	X	X
LR-SW-7	LR-SW7-032425	X	X							
LR-SW-8	LR-SW8-032423	X	X							
LR-SW-9	LR-SW9-032423	X	X	X	X	X	X	X	X	X

Notes:

1. MS/MSD collected

2. Sample duplicate DUP-032423 collected

3. Abbreviations: PFAS - polyfluoroalkyl substances, TCL - target contaminant list, VOCs - volatile organice compounds, TICs - tentatively identified compounds, SVOCs - semi-volatile organic compounds, PCBs - polycholorinated biphenyls, TAL - target analyte list, MS - matrix spike, MSD - matrix spike duplicate

RAMBOLL

Table 2E
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Sediment Sample Summary

	Analysis:	PFAS	1,4-Dioxane	TCL VOCs + TICs	TCL SVOCs + TICs	Herbicides	Pesticides	TCL PCBs	TAL Inorganics	Cyanide	Total Organic Carbon
	Method:	Draft 1633	SW846 8270E	SW846 8260D	SW846 8270E	SW846 8151A	SW846 8081B	SW846 8082A	Metals Digestion		Lloyd Kahn
Location ID	**Sample ID**										
LR-SED-1	LR-SED1-032323	X	X	X	X	X	X	X	X	X	X
LR-SED-2	LR-SED2-032323	X	X								X
LR-SED-3[1]	LR-SED3-032323	X	X	X	X	X	X	X	X	X	X
LR-SED-4	LR-SED4-032323	X	X								X
LR-SED-5[2]	LR-SED5-032423	X	X	X	X	X	X	X	X	X	X
LR-SED-6	LR-SED6-032423	X	X								X
LR-SED-8	LR-SED8-032423	X	X	X	X	X	X	X	X	X	X
LR-SED-9	LR-SED9-032423	X	X								X

Notes:

1. MS/MSD collected

2. Sample duplicate DUP-032423 collected

3. Abbreviations: bgs - below ground surface, PFAS - polyfluoroalkyl substances, TCL - target contaminant list, VOCs - volatile organice compounds, TICs - tentatively identified compounds, SVOCs - semi-volatile organic compounds, PCBs - polycholorinated biphenyls, TAL - target analyte list, MS - matrix spike, MSD - matrix spike duplicate

Table 2F
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Waste Characterization Sample Summary

		Analysis:	PFAS	1,4-Dioxane	TCL VOCs + TICs	TCL SVOCs + TICs	Herbicides	Pesticides	TCL PCBs	TAL Inorganics
		Method:	1633	SW846 8270E	SW846 8260D	SW846 8270E	SW846 8151A	SW846 8081B	SW846 8082A	Metals Digestion
Location ID	**Sample ID**	**Media**								
TT-04	LR-TT04-DRUM-030823	Soil	X	X						
TT-04	LR-TT04-DRUM-TOP-031023	Soil	X		X	X	X	X	X	X
TT-04	LR-TT04-DRUM-BOTTOM-031023	Soil	X		X	X	X	X	X	X
TT-04	LR-TT04-DRUM-COMP-031023	Soil	X		X	X	X	X	X	X
Drum	LR-DRUMWC_032423	Water			X	X	X	X	X	X

Notes:

1. TCLP analyses: VOCs (8260D), SVOCs (8270E), herbicides (8151A), pesticides (8081B), inorganics

2. MS, MSD, and sample duplicate collected (DUP-030723)

3. Abbreviations: bgs - below ground surface, PFAS - polyfluoroalkyl substances, SPLP - sythetic precipitation leaching procedure, TCL - target contaminant list, VOCs - volatile organice compounds, TICs - tentatively identified compounds, SVOCs - semi-volatile organic compounds, PCBs - polycholorinated biphenyls, TAL - target analyte list, TCLP - toxicity characteristic leaching procedure, MS - matrix spike, MSD - matrix spike duplicate

RAMBOLL

Table 2F
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Waste Characterization Sample Summary

		Analysis:	Cyanide	PFAS	Total Organic Carbon	Leachability	pH/ Temperature
		Method:		SPLP	Lloyd Kahn	TCLP[1]	
Location ID	Sample ID	Media					
TT-04	LR-TT04-DRUM-030823	Soil		X		X	X
TT-04	LR-TT04-DRUM-TOP-031023	Soil	X		X	X	X
TT-04	LR-TT04-DRUM-BOTTOM-031023	Soil	X		X	X	X
TT-04	LR-TT04-DRUM-COMP-031023	Soil	X		X	X	X
Drum	LR-DRUMWC_032423	Water	X				

Notes:

1. TCLP analyses: VOCs (8260D), SVOCs (8270E), herbicides (8151A), pesticides (8081B), inorganics

2. MS, MSD, and sample duplicate collected (DUP-030723)

3. Abbreviations: bgs - below ground surface, PFAS - polyfluoroalkyl substances, SPLP - sythetic precipitation leaching procedure, TCL - target contaminant list, VOCs - volatile organice compounds, TICs - tentatively identified compounds, SVOCs - semi-volatile organic compounds, PCBs - polycholorinated biphenyls, TAL - target analyte list, TCLP - toxicity characteristic leaching procedure, MS - matrix spike, MSD - matrix spike duplicate

Table 2G
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Trip and Equipment Blank Sample Summary

Location ID	PFAS	VOCs	Notes
LR-EB-022323	X		Collected from stainless steel bowl and trowel
LR-TB-022423		X	
LR-EB-022423	X		Collected from stainless steel bowl and trowel
LR-TB-022723		X	
LR-EB-022723	X		Collected from stainless steel bowl and trowel
LR-TB-030723		X	
LR-EB-01-030723	X		Collected from stainless steel bowl and trowel
LR-EB-01-030823	X		Collected from stainless steel bowl and trowel
LR-EB-02-030823	X		Collected from sterile sample spoon
LR-TB-031023		X	
LR-EB-031023	X		Collected from stainless steel bowl and trowel
LR-TB-032123		X	
LR-EB-032123	X		Collected from HDPE tubing
LR-TB-032223		X	
LR-EB-032223	X		Collected from HDPE tubing
LR-TB-032323		X	
LR-EB-032323	X		Collected from sterile sample spoon
LR-TB-032423		X	
LR-EB-032423	X		Collected from sterile sample spoon

Notes:

1. Abbreviations: PFAS - polyfluoroalkyl substances, VOCs - volatile organic compounds

RAMBOLL

Table 3A
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents in Surface Soil

				Location:	LR-MW-05	LR-MW-06	LR-MW-07	LR-MW-07	LR-MW-08	TT-01	TT-02	TT-03
				Sample Interval:	0-0.2 ft	0-0.2 ft	0-0.2 ft	0-0.5 ft	0-0.2 ft	0-0.2 ft	0-0.2 ft	0-0.2 ft
				Sample ID:	LR-MW-05-0.0-0.2-022723	LR-MW06-0.0-0.2-022423	LR-MW07-0.0-0.2-022723	LR-MW07-0.0-0.5-022723	LR-MW08-0.0-0.2-022323	LR-TT01-0.0-0.2-030723	LR-TT02-0.0-0.2-030723	LR-TT03-0.0-0.2-030723
				Sample Date:	2/27/2023	2/24/2023	2/27/2023	2/27/2023	2/23/2023	3/7/2023	3/7/2023	3/7/2023
Parameter	Commercial[1]	Protection of Groundwater[1]	Unrestricted[1]	Unit								
TAL Inorganics + Mercury (USEPA Methods 6010 and 7471)												
Aluminum				mg/kg	---	---	4140	---	---	---	---	---
Barium		**820**		mg/kg	---	---	27.0	---	---	---	---	---
Calcium				mg/kg	---	---	70500	---	---	---	---	---
Chromium				mg/kg	---	---	9.7	---	---	---	---	---
Copper		**1720**		mg/kg	---	---	10.8	---	---	---	---	---
Iron				mg/kg	---	---	9090	---	---	---	---	---
Lead		**450**		mg/kg	---	---	27.6	---	---	---	---	---
Magnesium				mg/kg	---	---	31600	---	---	---	---	---
Manganese		**2000**		mg/kg	---	---	327	---	---	---	---	---
Nickel		**130**		mg/kg	---	---	6.8	---	---	---	---	---
Vanadium				mg/kg	---	---	9.8	---	---	---	---	---
Zinc		**2480**		mg/kg	---	---	83.9	---	---	---	---	---
PFAS (USEPA Method 1633)												
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)				µg/kg	0.27 UJ	0.27 U	0.27 UJ	---	2.4	6.3 U	0.26 U	0.26 U
Perfluorobutanoic acid (PFBA)				µg/kg	0.78 J	1.1 U	1.1 UJ	---	1.1 U	22.1 J	1.0 U	1.1 U
Perfluorodecanesulfonic acid (PFDS)				µg/kg	0.27 UJ	0.27 U	0.27 UJ	---	0.36	6.3 U	0.26 U	0.26 U
Perfluorodecanoic acid (PFDA)				µg/kg	0.27 UJ	0.27 U	0.27 UJ	---	1.0	4.8 J	0.22 J	0.26 U
Perfluorododecanoic acid (PFDoA)				µg/kg	0.27 UJ	0.27 U	0.27 UJ	---	0.49	6.3 U	0.26 U	0.26 U
Perfluoroheptanoic acid (PFHpA)				µg/kg	0.27 UJ	0.27 U	0.27 UJ	---	0.28	6.6 J	0.16 J	0.26 U
Perfluorohexanoic acid (PFHxA)				µg/kg	0.27 UJ	0.27 U	0.27 UJ	---	0.47	4.9 J	0.26 U	0.26 U
Perfluorononanoic acid (PFNA)				µg/kg	0.21 J	0.27 U	0.27 UJ	---	3.6	8.6 J	0.27 J	0.26 U
Perfluorooctanesulfonic acid (PFOS)	440	**1.0**	**0.88**	µg/kg	**2.8 J**	0.65	0.70 J	---	**2.4**	**46.1**	**2.0**	**1.3**
Perfluorooctanoic acid (PFOA)	500	**0.8**	**0.66**	µg/kg	**0.74 J**	0.27 U	0.14 J	---	0.59	**55.0 J**	**0.78 J**	0.14 J
Perfluoropentanoic acid (PFPeA)				µg/kg	0.54 UJ	0.54 U	0.53 UJ	---	0.70	6.8 J	0.52 U	0.53 U
Perfluorotridecanoic acid (PFTriA/PFTrDA)				µg/kg	0.27 UJ	0.27 U	0.27 UJ	---	1.2	6.3 U	0.26 U	0.26 U
Perfluoroundecanoic acid (PFUA/PFUdA)				µg/kg	0.27 UJ	0.27 U	0.27 UJ	---	5.1	4.8 J	0.26 U	0.26 U
TCL Pesticides (USEPA Method 8081)												
4-4-DDT	47	**136**	**0.0033**	mg/kg	---	---	0.0012 J	---	---	---	---	---
Dieldrin	1.4	**0.1**	**0.005**	mg/kg	---	---	0.00089 J	---	---	---	---	---
Lindane	9.2	**0.1**	**0.1**	mg/kg	---	---	0.0022	---	---	---	---	---
TCL VOCs + TICs (USEPA Method 8260)												
ACETONE	500	**0.05**	**0.05**	mg/kg	---	---	---	0.0174 J	---	---	---	---
METHYL ACETATE				mg/kg	---	---	---	0.0268	---	---	---	---
TCL SVOCs + TICs (USEPA Method 8270)												
Benzo[a]anthracene	5.6	**1**	**1**	mg/kg	---	---	0.0844	---	---	---	---	---
Benzo[a]pyrene	1	**22**	**1**	mg/kg	---	---	0.108	---	---	---	---	---
Benzo[b]fluoranthene	5.6	**1.7**	**1**	mg/kg	---	---	0.134	---	---	---	---	---
Benzo[g,h,i]perylene	500	**1000**	**100**	mg/kg	---	---	0.0770	---	---	---	---	---
Benzo[k]fluoranthene	56	**1.7**	**0.8**	mg/kg	---	---	0.0572	---	---	---	---	---
Carbazole				mg/kg	---	---	0.0133 J	---	---	---	---	---
Chrysene	56	**1**	**1**	mg/kg	---	---	0.0980	---	---	---	---	---
Dibenzo[a,h]Anthracene	0.56	**1000**	**0.33**	mg/kg	---	---	0.0257 J	---	---	---	---	---
Fluoranthene	500	**1000**	**100**	mg/kg	---	---	0.158	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	5.6	**8.2**	**0.5**	mg/kg	---	---	0.0745	---	---	---	---	---
Phenanthrene	500	**1000**	**100**	mg/kg	---	---	0.0691	---	---	---	---	---
Pyrene	500	**1000**	**100**	mg/kg	---	---	0.132	---	---	---	---	---
Cyanide (USEPA Method 9012)												
Cyanide (Amenable)	27	**40**	**27**	mg/kg	---	---	0.50	---	---	---	---	---
Other												
Solids, Percent				%	73.5	74.7	75.7	81.2	70.5	3.2	75.8	75.9
Notes												

U = Analyte not detected, J = Approximate value, --- = Constituent not analyzed

[1] 6 NYCRR Part 375-6.8: Unrestricted and Restricted Use Soil Cleanup Objectives, December 14, 2006. PFAS guidance values from Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), NYSDEC, April 2023.

Table 3B
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents in Subsurface Material - Soil Borings

			Location:	LR-MW-05	LR-MW-05	LR-MW-06	LR-MW-06	LR-MW-07	LR-MW-07	LR-MW-08	LR-MW-08
			Sample Interval:	0.2-1 ft	6-8 ft	0.2-1 ft	8-9 ft	0.2-1 ft	22-24 ft	0.2-1 ft	8-9 ft
			Sample ID:	LR-MW-05-0.2-1.0-022723	LR-MW05-06-08-030223	LR-MW06-0.2-1.0-022423	LR-MW06-08-09-022423	LR-MW07-0.2-1.0-022723	LR-MW-07-22-24-022723	LR-MW08-0.2-1.0-022323	LR-MW08-08-09-022323
			Sample Date:	2/27/2023	3/2/2023	2/24/2023	2/24/2023	2/27/2023	2/27/2023	2/23/2023	2/23/2023
			Media:	Soil	Fill	Soil	Soil	Soil	Soil	Soil	Soil
Parameter	Commercial[1]	Protection of Groundwater[1]	Unrestricted[1] Unit								
TAL Inorganics + Mercury (USEPA Methods 6010 and 7471)											
Aluminum			mg/kg	---	45200	6380	---	---	---	---	---
Arsenic		**16**	mg/kg	---	14 U	3.3	---	---	---	---	---
Beryllium		**47**	mg/kg	---	0.30	0.41	---	---	---	---	---
Calcium			mg/kg	---	22000	35500	---	---	---	---	---
Chromium			mg/kg	---	41.5	9.4	---	---	---	---	---
Copper		**1720**	mg/kg	---	1080	13.5	---	---	---	---	---
Iron			mg/kg	---	32700	11500 J+	---	---	---	---	---
Magnesium			mg/kg	---	5350	11000	---	---	---	---	---
Manganese		**2000**	mg/kg	---	325	363	---	---	---	---	---
Nickel		**130**	mg/kg	---	37.3	8.8	---	---	---	---	---
Silver		**8.3**	mg/kg	---	3.5 U	0.81	---	---	---	---	---
Vanadium			mg/kg	---	17.8	14.4	---	---	---	---	---
Zinc		**2480**	mg/kg	---	**3110**	130	---	---	---	---	---
Barium		**820**	mg/kg	---	100	79.2	---	---	---	---	---
Lead		**450**	mg/kg	---	193	446	---	---	---	---	---
Mercury		**0.73**	mg/kg	---	0.23	0.055	---	---	---	---	---
PFAS (USEPA Method 1633)											
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)			µg/kg	0.25 UJ	1.6	0.24 U	0.27 U	0.24 UJ	0.21 UJ	1.1	0.23 U
Perfluorobutanoic acid (PFBA)			µg/kg	1.0 UJ	1.1 U	0.95 U	1.1 U	0.94 UJ	0.83 UJ	1.1 U	0.90 U
Perfluorodecanesulfonic acid (PFDS)			µg/kg	0.25 UJ	0.28 U	0.24 U	0.27 U	0.24 UJ	0.21 UJ	0.29	0.23 U
Perfluorodecanoic acid (PFDA)			µg/kg	0.25 UJ	0.61 J	0.24 U	0.27 U	0.24 UJ	0.21 UJ	0.86	0.23 U
Perfluorododecanoic acid (PFDoA)			µg/kg	0.25 UJ	0.15 J	0.24 U	0.27 U	0.24 UJ	0.21 UJ	0.33	0.23 U
Perfluoroheptanesulfonic acid (PFHpS)			µg/kg	0.25 UJ	0.58 J	0.24 U	0.27 U	0.24 UJ	0.21 UJ	0.28 U	0.23 U
Perfluoroheptanoic acid (PFHpA)			µg/kg	0.25 UJ	0.25 J	0.24 U	0.27 U	0.24 UJ	0.21 UJ	0.30	0.23 U
Perfluorohexanesulfonic acid (PFHxS)			µg/kg	0.25 UJ	0.32	0.24 U	0.27 U	0.24 UJ	0.21 UJ	0.28 U	0.23 U
Perfluorohexanoic acid (PFHxA)			µg/kg	0.25 UJ	0.16 J	0.24 U	0.27 U	0.24 UJ	0.21 UJ	0.59	0.23 U
Perfluorononanoic acid (PFNA)			µg/kg	0.25 UJ	0.47 J	0.24 U	0.27 U	0.24 UJ	0.21 UJ	5.4	0.23 U
Perfluroroctanesulfonamide (FOSA)			µg/kg	0.25 UJ	0.73 J	0.24 U	0.27 U	0.24 UJ	0.21 UJ	0.28 U	0.23 U
Perfluorooctanesulfonic acid (PFOS)	440	**1.0**	**0.88** µg/kg	**2.5 J**	**48.7**	0.36	0.27 U	0.66 J	0.21 UJ	**2.3**	0.23 U
Perfluorooctanoic acid (PFOA)	500	**0.8**	**0.66** µg/kg	0.50 J	**5.5 J**	0.24 U	0.27 U	0.21 J	0.21 UJ	0.54	0.15 J
Perfluoropentanoic acid (PFPeA)			µg/kg	0.51 UJ	0.32 J	0.48 U	0.55 U	0.47 UJ	0.42 UJ	0.73	0.45 U
Perfluorotridecanoic acid (PFTriA/PFTrDA)			µg/kg	0.25 UJ	0.28 U	0.24 U	0.27 U	0.24 UJ	0.21 UJ	0.85	0.23 U
Perfluoroundecanoic acid (PFUA/PFUdA)			µg/kg	0.25 UJ	0.28 U	0.24 U	0.27 U	0.24 UJ	0.21 UJ	3.8	0.23 U
TCL Pesticides (USEPA Method 8081)											
4-4-DDD	92	**14**	**0.0033** mg/kg	---	0.0017 J	0.00035 J	---	---	---	---	---
4-4-DDE	62	**17**	**0.0033** mg/kg	---	**0.0037 J**	0.00081	---	---	---	---	---
4-4-DDT	47	**136**	**0.0033** mg/kg	---	**0.0183 J**	0.0016	---	---	---	---	---
a-BHC	3.4	**0.02**	**0.02** mg/kg	---	0.0014 J	0.00023 U	---	---	---	---	---
alpha-Chlordane	24	**2.9**	**0.094** mg/kg	---	0.00092 U	0.00089 J	---	---	---	---	---
d-BHC	500	**0.25**	**0.04** mg/kg	---	0.0031 J	0.00023 U	---	---	---	---	---
Dieldrin	1.4	**0.1**	**0.005** mg/kg	---	**0.0142 J**	0.00053 J	---	---	---	---	---
Endosulfan II	200	**102**	**2.4** mg/kg	---	0.0032 J	0.00023 U	---	---	---	---	---
Heptachlor Epoxide			mg/kg	---	0.0037 J	0.00041	---	---	---	---	---
y-Chlordane			mg/kg	---	0.0046 J	0.00081	---	---	---	---	---
TCL PCBs (USEPA Method 8082)											
Aroclor-1254	1	**3.2**	**0.1** mg/kg	---	**0.648**	0.012 U	---	---	---	---	---
Aroclor-1260	1	**3.2**	**0.1** mg/kg	---	**0.185**	0.0079 J	---	---	---	---	---
PCB-1262	1	**3.2**	**0.1** mg/kg	---	0.046 U	0.012 U	---	---	---	---	---

Notes

U = Analyte not detected, J = Approximate value, + = Calibration outside limits/biased high, - = Calibration outside limits/biased low, --- = Constituent not analyzed

[1] 6 NYCRR Part 375-6.8: Unrestricted and Restricted Use Soil Cleanup Objectives, December 14, 2006. PFAS guidance values from Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), NYSDEC, April 2023.

Table 3B
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents in Subsurface Material - Soil Borings

				Location:	LR-MW-05	LR-MW-05	LR-MW-06	LR-MW-06	LR-MW-07	LR-MW-07	LR-MW-08	LR-MW-08
				Sample Interval:	0.2-1 ft	6-8 ft	0.2-1 ft	8-9 ft	0.2-1 ft	22-24 ft	0.2-1 ft	8-9 ft
				Sample ID:	LR-MW-05-0.2-1.0-022723	LR-MW05-06-08-030223	LR-MW06-0.2-1.0-022423	LR-MW06-08-09-022423	LR-MW07-0.2-1.0-022723	LR-MW-07-22-24-022723	LR-MW08-0.2-1.0-022323	LR-MW08-08-09-022323
				Sample Date:	2/27/2023	3/2/2023	2/24/2023	2/24/2023	2/27/2023	2/27/2023	2/23/2023	2/23/2023
				Media:	Soil	Fill	Soil	Soil	Soil	Soil	Soil	Soil
Parameter	Commercial[1]	Protection of Groundwater[1]	Unrestricted[1]	Unit								
TCL Herbicides (USEPA Method 8151)												
Pentachlorophenol	6.7	**0.8**	**0.8**	mg/kg	---	0.0082	0.018 U	---	---	---	---	---
TCL VOCs + TICs (USEPA Method 8260)												
ACETONE	500	**0.05**	**0.05**	mg/kg	---	0.0307	0.011 U	---	---	---	---	---
CARBON DISULFIDE				mg/kg	---	0.00092 J	0.0022 U	---	---	---	---	---
METHYL ACETATE				mg/kg	---	0.0067 U	0.0055 UJ	---	---	---	---	---
METHYL ETHYL KETONE (2-BUTANONE)	500	**0.12**	**0.12**	mg/kg	---	0.0090 J	0.011 U	---	---	---	---	---
TCL SVOCs + TICs (USEPA Method 8270)												
1,1'-Biphenyl				mg/kg	---	0.0811 J	0.37 U	---	---	---	---	---
2-Methylnaphthalene				mg/kg	---	0.167 J	0.18 U	---	---	---	---	---
Acenaphthene	500	**98**	**20**	mg/kg	---	0.184 J	0.18 U	---	---	---	---	---
Acenaphthylene	500	**107**	**100**	mg/kg	---	0.239	0.18 U	---	---	---	---	---
Acetophenone				mg/kg	---	0.0609 J	0.92 U	---	---	---	---	---
Anthracene	500	**1000**	**100**	mg/kg	---	0.486	0.18 U	---	---	---	---	---
Benzaldehyde				mg/kg	---	1.2 U	0.92 U	---	---	---	---	---
Benzo[a]anthracene	5.6	**1**	**1**	mg/kg	---	0.713	0.0968 J	---	---	---	---	---
Benzo[a]pyrene	1	**22**	**1**	mg/kg	---	**1.69**	0.117 J	---	---	---	---	---
Benzo[b]fluoranthene	5.6	**1.7**	**1**	mg/kg	---	**2.08**	0.139 J	---	---	---	---	---
Benzo[g,h,i]perylene	500	**1000**	**100**	mg/kg	---	1.58	0.118 J	---	---	---	---	---
Benzo[k]fluoranthene	56	**1.7**	**0.8**	mg/kg	---	0.412	0.18 U	---	---	---	---	---
Bis(2-Ethylhexyl)phthalate				mg/kg	---	421 J	0.37 UJ	---	---	---	---	---
Carbazole				mg/kg	---	0.230 J	0.37 U	---	---	---	---	---
Chrysene	56	**1**	**1**	mg/kg	---	0.625	0.0907 J	---	---	---	---	---
Dibenzo[a,h]Anthracene	0.56	**1000**	**0.33**	mg/kg	---	**0.429**	0.18 U	---	---	---	---	---
Dibenzofuran	350	**210**	**7**	mg/kg	---	0.204 J	0.37 U	---	---	---	---	---
Fluoranthene	500	**1000**	**100**	mg/kg	---	1.32	0.151 J	---	---	---	---	---
Fluorene	500	**386**	**30**	mg/kg	---	0.314	0.18 U	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	5.6	**8.2**	**0.5**	mg/kg	---	**1.25**	0.0916 J	---	---	---	---	---
Naphthalene	500	**12**	**12**	mg/kg	---	0.646	0.18 U	---	---	---	---	---
Pentachlorophenol	6.7	**0.8**	**0.8**	mg/kg	---	0.94 U	0.74 U	---	---	---	---	---
Phenanthrene	500	**1000**	**100**	mg/kg	---	0.856	0.0963 J	---	---	---	---	---
Phenol	500	**0.33**	**0.33**	mg/kg	---	**0.555**	0.37 U	---	---	---	---	---
Pyrene	500	**1000**	**100**	mg/kg	---	1.22	0.155 J	---	---	---	---	---
Cyanide (Amenable)	27	**40**	**27**	mg/kg	---	0.37 U	0.36	---	---	---	---	---
TCLP Inorganics + Mercury (USEPA Methods 1311/6010/7470)												
Barium		**820**		mg/l	---	---	---	---	---	---	---	---
Cadmium		**7.5**		mg/l	---	---	---	---	---	---	---	---
Lead		**450**		mg/l	---	---	---	---	---	---	---	---
TCLP Herbicides (USEPA Method 1311/8151)												
2,4-D				mg/l	---	---	---	---	---	---	---	---
TCLP VOCs (USEPA Method 1311/8260)												
CHLOROFORM	350	**0.37**	**0.37**	mg/l	---	---	---	---	---	---	---	---
Other												
pH				pH units	---	---	---	---	---	---	---	---
Solids, Percent				%	78.8	70.2	84.8	73.6	85.4	96.4	72.0	88.0
Total Organic Carbon (TOC)				mg/kg	---	---	---	---	---	---	---	---
Notes												

U = Analyte not detected, J = Approximate value, + = Calibration outside limits/biased high, - = Calibration outside limits/biased low, --- = Constituent not analyzed

[1] 6 NYCRR Part 375-6.8: Unrestricted and Restricted Use Soil Cleanup Objectives, December 14, 2006. PFAS guidance values from Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), NYSDEC, April 2023.

Table 3B
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents in Subsurface Material - Test Trenches

			Location:	TT-01	TT-01	TT-02	TT-03	TT-03	TT-04	TT-04	TT-06	TT-06	TT-07	TT-07
			Sample Interval:	0.2-1 ft	5-6 ft	0.2-1 ft	0.2-1 ft	5-6 ft	0.2-1 ft	2-3 ft	0.2-1 ft	4-5 ft	0.2-1 ft	4-5 ft
			Sample ID:	LR-TT01-0.2-1.0-030723	LR-TT01-05-06-030723	LR-TT02-0.2-1.0-030723	LR-TT03-0.2-1.0-030723	LR-TT03-05-06-030723	LR-TT04-0.2-1.0-030823	LR-TT04-02-03-030823	LR-TT06-0.2-1.0-030823	LR-TT06-04-05-030823	LR-TT07-0.2-1.0-030723	LR-TT07-04-05-030723
			Sample Date:	3/7/2023	3/7/2023	3/7/2023	3/7/2023	3/7/2023	3/8/2023	3/8/2023	3/8/2023	3/8/2023	3/7/2023	3/7/2023
			Media:	Soil	Fill	Soil	Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill
Parameter	Commercial[1]	Protection of Groundwater[1]	Unrestricted[1]	Unit											
TAL Inorganics + Mercury (USEPA Methods 6010 and 7471)															
Aluminum				mg/kg	---	---	6100	---	---	---	---	---	---	---	---
Arsenic		**16**		mg/kg	---	---	4.2	---	---	---	---	---	---	---	---
Beryllium		**47**		mg/kg	---	---	0.37	---	---	---	---	---	---	---	---
Calcium				mg/kg	---	---	28500	---	---	---	---	---	---	---	---
Chromium				mg/kg	---	---	9.1	---	---	---	---	---	---	---	---
Copper		**1720**		mg/kg	---	---	13.3	---	---	---	---	---	---	---	---
Iron				mg/kg	---	---	12000	---	---	---	---	---	---	---	---
Magnesium				mg/kg	---	---	10200	---	---	---	---	---	---	---	---
Manganese		**2000**		mg/kg	---	---	292 J-	---	---	---	---	---	---	---	---
Nickel		**130**		mg/kg	---	---	8.8	---	---	---	---	---	---	---	---
Silver		**8.3**		mg/kg	---	---	0.61 U	---	---	---	---	---	---	---	---
Vanadium				mg/kg	---	---	15.2	---	---	---	---	---	---	---	---
Zinc		**2480**		mg/kg	---	---	93.8	---	---	---	---	---	---	---	---
Barium		**820**		mg/kg	---	---	76.1	---	---	---	---	---	---	---	---
Lead		**450**		mg/kg	---	---	287 J+	---	---	---	---	---	---	---	---
Mercury		**0.73**		mg/kg	---	---	0.082	---	---	---	---	---	---	---	---
PFAS (USEPA Method 1633)															
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)				µg/kg	0.28 U	---	0.25 U	0.24 U	---	0.27 U	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluorobutanoic acid (PFBA)				µg/kg	1.3	---	1.0 U	0.96 U	---	0.67 J	0.95 U	0.98 U	0.99 U	0.98 U	1.0 U
Perfluorodecanesulfonic acid (PFDS)				µg/kg	0.28 U	---	0.25 U	0.24 U	---	0.27 U	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluorodecanoic acid (PFDA)				µg/kg	0.15 J	---	0.15 J	0.24 U	---	0.27 U	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluorododecanoic acid (PFDoA)				µg/kg	0.28 U	---	0.25 U	0.24 U	---	0.27 U	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluoroheptanesulfonic acid (PFHpS)				µg/kg	0.28 U	---	0.25 U	0.24 U	---	0.27 U	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluoroheptanoic acid (PFHpA)				µg/kg	0.26 J	---	0.21 J	0.24 U	---	0.13 J	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluorohexanesulfonic acid (PFHxS)				µg/kg	0.28 U	---	0.25 U	0.24 U	---	0.27 U	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluorohexanoic acid (PFHxA)				µg/kg	0.26 J	---	0.18 J	0.24 U	---	0.14 J	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluorononanoic acid (PFNA)				µg/kg	0.24 J	---	0.18 J	0.24 U	---	0.25 J	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluroroctanesulfonamide (FOSA)				µg/kg	0.28 U	---	0.25 U	0.24 U	---	0.27 U	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluorooctanesulfonic acid (PFOS)	440	**1.0**	**0.88**	µg/kg	**0.98**	---	**2.4**	0.80	---	**2.8**	**3.0**	0.52	**1.4**	0.75	**4.3**
Perfluorooctanoic acid (PFOA)	500	**0.8**	**0.66**	µg/kg	**2.0 J**	---	**1.0 J**	0.24 U	---	**0.73 J**	0.37	0.19 J	0.20 J	0.17 J	**0.76 J**
Perfluoropentanoic acid (PFPeA)				µg/kg	0.34 J	---	0.21 J	0.48 U	---	0.14 J	0.48 U	0.49 U	0.49 U	0.49 U	0.51 U
Perfluorotridecanoic acid (PFTriA/PFTrDA)				µg/kg	0.28 U	---	0.25 U	0.24 U	---	0.27 U	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
Perfluoroundecanoic acid (PFUA/PFUdA)				µg/kg	0.20 J	---	0.25 U	0.24 U	---	0.27 U	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U
TCL Pesticides (USEPA Method 8081)															
4-4-DDD	92	**14**	**0.0033**	mg/kg	---	---	0.0012	---	---	---	---	---	---	---	---
4-4-DDE	62	**17**	**0.0033**	mg/kg	---	---	0.0018 J	---	---	---	---	---	---	---	---
4-4-DDT	47	**136**	**0.0033**	mg/kg	---	---	0.00079 U	---	---	---	---	---	---	---	---
a-BHC	3.4	**0.02**	**0.02**	mg/kg	---	---	0.00079 UJ	---	---	---	---	---	---	---	---
alpha-Chlordane	24	**2.9**	**0.094**	mg/kg	---	---	0.0073 J	---	---	---	---	---	---	---	---
d-BHC	500	**0.25**	**0.04**	mg/kg	---	---	0.00079 UJ	---	---	---	---	---	---	---	---
Dieldrin	1.4	**0.1**	**0.005**	mg/kg	---	---	0.0047	---	---	---	---	---	---	---	---
Endosulfan II	200	**102**	**2.4**	mg/kg	---	---	0.00079 U	---	---	---	---	---	---	---	---
Heptachlor Epoxide				mg/kg	---	---	0.00079 U	---	---	---	---	---	---	---	---
y-Chlordane				mg/kg	---	---	0.0057 J	---	---	---	---	---	---	---	---
TCL PCBs (USEPA Method 8082)															
Aroclor-1254	1	**3.2**	**0.1**	mg/kg	---	---	0.039 U	---	---	---	---	---	---	---	---
Aroclor-1260	1	**3.2**	**0.1**	mg/kg	---	---	0.039 U	---	---	---	---	---	---	---	---
PCB-1262	1	**3.2**	**0.1**	mg/kg	---	---	0.0706	---	---	---	---	---	---	---	---

Notes

U = Analyte not detected, J = Approximate value, + = Calibration outside limits/biased high, - = Calibration outside limits/biased low, --- = Constituent not analyzed

[1] 6 NYCRR Part 375-6.8: Unrestricted and Restricted Use Soil Cleanup Objectives, December 14, 2006. PFAS guidance values from Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), NYSDEC, April 2023.

RAMBOLL

Table 3B
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents in Subsurface Material - Test Trenches

Parameter	Commercial[1]	Protection of Groundwater[1]	Unrestricted[1]	Unit	Location:	TT-01	TT-01	TT-02	TT-03	TT-03	TT-04	TT-04	TT-06	TT-06	TT-07	TT-07
					Sample Interval:	0.2-1 ft	5-6 ft	0.2-1 ft	0.2-1 ft	5-6 ft	0.2-1 ft	2-3 ft	0.2-1 ft	4-5 ft	0.2-1 ft	4-5 ft
					Sample ID:	LR-TT01-0.2-1.0-030723	LR-TT01-05-06-030723	LR-TT02-0.2-1.0-030723	LR-TT03-0.2-1.0-030723	LR-TT03-05-06-030723	LR-TT04-0.2-1.0-030823	LR-TT04-02-03-030823	LR-TT06-0.2-1.0-030823	LR-TT06-04-05-030823	LR-TT07-0.2-1.0-030723	LR-TT07-04-05-030723
					Sample Date:	3/7/2023	3/7/2023	3/7/2023	3/7/2023	3/7/2023	3/8/2023	3/8/2023	3/8/2023	3/8/2023	3/7/2023	3/7/2023
					Media:	Soil	Fill	Soil	Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill
TCL Herbicides (USEPA Method 8151)																
Pentachlorophenol	6.7	**0.8**	**0.8**	mg/kg	---	---	0.0017 J	---	---	---	---	---	---	---	---	
TCL VOCs + TICs (USEPA Method 8260)																
ACETONE	500	**0.05**	**0.05**	mg/kg	---	---	0.0349 J	---	---	---	---	---	---	---	---	
CARBON DISULFIDE				mg/kg	---	---	0.0023 U	---	---	---	---	---	---	---	---	
METHYL ACETATE				mg/kg	---	---	0.0058	---	---	---	---	---	---	---	---	
METHYL ETHYL KETONE (2-BUTANONE)	500	**0.12**	**0.12**	mg/kg	---	---	0.012 UJ	---	---	---	---	---	---	---	---	
TCL SVOCs + TICs (USEPA Method 8270)																
1,1'-Biphenyl				mg/kg	---	---	0.083 U	---	---	---	---	---	---	---	---	
2-Methylnaphthalene				mg/kg	---	---	0.041 U	---	---	---	---	---	---	---	---	
Acenaphthene	500	**98**	**20**	mg/kg	---	---	0.0169 J	---	---	---	---	---	---	---	---	
Acenaphthylene	500	**107**	**100**	mg/kg	---	---	0.041 U	---	---	---	---	---	---	---	---	
Acetophenone				mg/kg	---	---	0.21 U	---	---	---	---	---	---	---	---	
Anthracene	500	**1000**	**100**	mg/kg	---	---	0.0350 J	---	---	---	---	---	---	---	---	
Benzaldehyde				mg/kg	---	---	0.0774 J	---	---	---	---	---	---	---	---	
Benzo[a]anthracene	5.6	**1**	**1**	mg/kg	---	---	0.161	---	---	---	---	---	---	---	---	
Benzo[a]pyrene	**1**	**22**	**1**	mg/kg	---	---	0.160	---	---	---	---	---	---	---	---	
Benzo[b]fluoranthene	5.6	**1.7**	**1**	mg/kg	---	---	0.204	---	---	---	---	---	---	---	---	
Benzo[g,h,i]perylene	500	**1000**	**100**	mg/kg	---	---	0.0936	---	---	---	---	---	---	---	---	
Benzo[k]fluoranthene	56	**1.7**	**0.8**	mg/kg	---	---	0.0751	---	---	---	---	---	---	---	---	
Bis(2-Ethylhexyl)phthalate				mg/kg	---	---	0.083 U	---	---	---	---	---	---	---	---	
Carbazole				mg/kg	---	---	0.0174 J	---	---	---	---	---	---	---	---	
Chrysene	56	**1**	**1**	mg/kg	---	---	0.149	---	---	---	---	---	---	---	---	
Dibenzo[a,h]Anthracene	0.56	**1000**	**0.33**	mg/kg	---	---	0.0334 J	---	---	---	---	---	---	---	---	
Dibenzofuran	350	**210**	**7**	mg/kg	---	---	0.083 U	---	---	---	---	---	---	---	---	
Fluoranthene	500	**1000**	**100**	mg/kg	---	---	0.259	---	---	---	---	---	---	---	---	
Fluorene	500	**386**	**30**	mg/kg	---	---	0.041 U	---	---	---	---	---	---	---	---	
Indeno[1,2,3-cd]pyrene	5.6	**8.2**	**0.5**	mg/kg	---	---	0.109	---	---	---	---	---	---	---	---	
Naphthalene	500	**12**	**12**	mg/kg	---	---	0.041 U	---	---	---	---	---	---	---	---	
Pentachlorophenol	6.7	**0.8**	**0.8**	mg/kg	---	---	0.17 U	---	---	---	---	---	---	---	---	
Phenanthrene	500	**1000**	**100**	mg/kg	---	---	0.129	---	---	---	---	---	---	---	---	
Phenol	500	**0.33**	**0.33**	mg/kg	---	---	0.083 U	---	---	---	---	---	---	---	---	
Pyrene	500	**1000**	**100**	mg/kg	---	---	0.220	---	---	---	---	---	---	---	---	
Cyanide (Amenable)	27	**40**	**27**	mg/kg	---	---	0.31 U	---	---	---	---	---	---	---	---	
TCLP Inorganics + Mercury (USEPA Methods 1311/6010/7470)																
Barium		**820**		mg/l	---	0.20 U	---	---	0.20 U	---	0.77	---	1.2	---	0.70	
Cadmium		**7.5**		mg/l	---	0.0040 U	---	---	0.0040 U	---	0.0040 U	---	0.017	---	0.0060	
Lead		**450**		mg/l	---	0.10 U	---	---	0.10 U	---	0.11	---	0.67	---	0.10 U	
TCLP Herbicides (USEPA Method 1311/8151)																
2,4-D				mg/l	---	0.0033 U	---	---	0.0033 U	---	0.0018 J	---	0.0016 J	---	0.0014 J	
TCLP VOCs (USEPA Method 1311/8260)																
CHLOROFORM	350	**0.37**	**0.37**	mg/l	---	0.0040 J	---	---	0.0039 J	---	0.0041 J	---	0.0055	---	0.0040 J	
Other																
pH				pH units	7.55	7.16	7.56	7.62	7.81	7.57	7.93	7.32	7.64	7.76	7.75	
Solids, Percent				%	72.0	---	79.6	83.5	---	75.7	84.6	81.8	80.8	82.0	79.0	
Total Organic Carbon (TOC)				mg/kg	33100	---	11100	5570	---	24200	---	48500	---	9650	---	
Notes																

U = Analyte not detected, J = Approximate value, + = Calibration outside limits/biased high, - = Calibration outside limits/biased low, --- = Constituent not analyzed

[1] 6 NYCRR Part 375-6.8: Unrestricted and Restricted Use Soil Cleanup Objectives, December 14, 2006. PFAS guidance values from Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), NYSDEC, April 2023.

Table 3C
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents in Subsurface Material (SPLP Analyses)

			Location:	TT-01	TT-01	TT-02	TT-03	TT-04	TT-04	TT-06	TT-07
			Sample Interval:	0.2-1 ft	2-3 ft	0.2-1 ft	0.2-1 ft	0.2-1 ft	2-3 ft	0.2-1 ft	0.2-1 ft
			Sample ID:	LR-TT01-030723	LR-TT01-FILL-030723	LR-TT02-030723	LR-TT03-030723	LR-TT04-030823	LR-TT04-DRUM-030823	LR-TT06-030823	LR-TT07-030723
			Sample Date:	3/7/2023	3/7/2023	3/7/2023	3/7/2023	3/8/2023	3/8/2023	3/8/2023	3/7/2023
			Media:	Soil	Fill (Plastic)	Soil	Soil	Soil	Fill	Soil	Soil
Parameter	Class GA[1]	Unit									
SPLP PFAS (USEPA Method 1312/1633)											
1H,1H,2H,2H-PERFLUORODECANE SULFONATE (8:2)		ng/l		32 U	32 U	32 U	152	67 U	67 U	67 U	32 U
1H,1H,2H,2H-PERFLUOROOCTANE SULFONATE (6:2)		ng/l		32 U	32 U	32 U	133	67 U	67 U	67 U	32 U
PERFLUOROBUTYRIC ACID (PFBA)		ng/l		31.6 J	335	32 U	32 U	67 U	67 U	67 U	627
PERFLUORODECANOIC ACID (PFDA)		ng/l		8.0 U	9.4	5.8 J	8.0 U	17 U	17 U	17 U	8.0 U
PERFLUOROHEPTANOIC ACID (PFHpA)		ng/l		6.4 J	14.6	7.5 J	8.0 U	17 U	17 U	17 U	12.5
PERFLUOROHEXANESULFONIC ACID		ng/l		8.0 U	8.0 U	8.0 U	8.0	17 U	17 U	17 U	8.0 U
PERFLUOROHEXANOIC ACID (PFHxA)		ng/l		5.7 J	24.6	4.3 J	50.9	17 U	17 U	17 U	28.4
PERFLUORONONANOIC ACID		ng/l		8.0 U	9.4	7.1 J	8.0 U	17 U	17 U	17 U	8.0 U
PERFLUOROOCTANE SULFONIC ACID (PFOS)	**2.7**	ng/l		**20.0**	**82.3**	**44.4**	**239**	**23.9**	**126**	17 U	**13.3**
PERFLUOROOCTANOIC ACID (PFOA)	**6.7**	ng/l		**43.6**	**296**	**40.8**	**32.5**	**13.8 J**	**19.8**	17 U	6.7 J
PERFLUOROPENTANOIC ACID (PFPeA)		ng/l		16 U	72.8	4.6 J	16 U	33 U	33 U	33 U	122
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)		ng/l		32 U	32 U	32 U	32 U	67 U	67 U	67 U	32 U
SPLP Leachate Dry Weight, Synthetic Preciptation Leaching Procedure		kg		0.03200	0.04500	0.03600	0.03800	0.03400	0.03300	0.03700	0.03700
SPLP Leachate pH, Synthetic Precipitation Leaching Procedure		pH units		8.18	8.22	8.48	8.73	7.87	7.94	7.62	8.60
SPLP Leachate Volume, Synthetic Precipitation Leaching Procedure		l		0.9000	0.9000	0.9000	0.9000	0.9000	0.9000	0.9000	0.9000
SPLP Leachate Weight, Synthetic Precipitation Leaching Procedure		kg		0.04500	0.04540	0.04550	0.04530	0.04500	0.04530	0.04540	0.04520

Notes

U = Analyte not detected, J = Approximate value

[1] Standards and Guidance Values (SGVs) from Technical Operational Guidance Series (TOGS) 1.1.1 (NYSDEC 1998) and February 2023 addendum

Table 3D
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents in Groundwater

	Location:		LR-MW-01	LR-MW-02	LR-MW-03	LR-MW-04	LR-MW-05	LR-MW-06	LR-MW-07	LR-MW-08
	Sample ID:		LR-MW01-032223	LR-MW02-032223	LR-MW03-032123	LR-MW04-032223	LR-MW05-032123	LR-MW06-032223	LR-MW07-032223	LR-MW08-032123
	Sample Date:		3/22/2023	3/22/2023	3/21/2023	3/22/2023	3/21/2023	3/22/2023	3/22/2023	3/21/2023
Parameter	Class GA[1]	Unit								
TAL Inorganics + Mercury (USEPA Methods 6010 and 7470)										
Aluminum		ug/l	---	---	---	---	200 U	1550	200 U	200 U
Arsenic	**25**	ug/l	---	---	---	---	19.1	10.9	13.6	3.4
Calcium		ug/l	---	---	---	---	443000	507000	306000	70100
Iron	**300**	ug/l	---	---	---	---	**13500**	**10600**	**941**	263
Magnesium	**35000**	ug/l	---	---	---	---	**42100**	**62100**	**91700**	**40600**
Manganese	**300**	ug/l	---	---	---	---	170	**436**	111 J	**791**
Potassium		ug/l	---	---	---	---	10700	10000 U	10000 U	10000 U
Sodium	**20000**	ug/l	---	---	---	---	**48800**	**210000**	**36600**	**78200**
PFAS (USEPA Method 1633)										
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)		ng/l	7.0 J	2.0 U	13.9 J	2.0 U	1.9 U	2.2 UJ	2.0 U	1.9 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		ng/l	49 U	53.7	48 U	49 U	48 U	54 U	50 U	49 U
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)		ng/l	59.0	4.2 J	51.8 J	2.0 U	1.3 J	2.2 UJ	2.0 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)		ng/l	53.0 J	49.0	24.5 J	15.5 J	1.9 U	2.2 U	2.0 U	1.9 U
Perfluorobutanoic acid (PFBA)		ng/l	272 J	912 J	679 J	453 J	156	107	7.9 U	24.0 J
Perfluorodecanoic acid (PFDA)		ng/l	3.0 J	2.0 U	0.83 J	2.0 U	1.9 U	2.2 U	2.0 U	1.9 U
Perfluoroheptanesulfonic acid (PFHpS)		ng/l	41.1	7.1	11.9 J	3.3	1.9 U	2.2 U	2.0 U	1.9 U
Perfluoroheptanoic acid (PFHpA)		ng/l	174	275 J	78.2 J	60.6 J	2.6 J	2.2 U	2.0 U	5.0 J
Perfluorohexanesulfonic acid (PFHxS)		ng/l	183 J	73.8 J	46.7	29.7 J	1.1 J	2.2 U	2.0 U	1.9 U
Perfluorohexanoic acid (PFHxA)		ng/l	130	308 J	114 J	71.2 J	11.3 J	1.0 J	2.0 U	7.6 J
Perfluorononanoic acid (PFNA)		ng/l	24.8	7.9 J	9.7 J	2.2 J	1.9 U	2.2 U	2.0 U	1.0 J
Perfluorooctanesulfonamide (FOSA)		ng/l	1.8 J	2.0 U	1.6 J	2.0 U	1.9 U	2.2 U	2.0 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	**2.7**	ng/l	**847 J**	**36.7 J**	**184 J**	**37.8 J**	**3.8**	2.2	2.0 U	1.6 J
Perfluorooctanoic acid (PFOA)	**6.7**	ng/l	**4,100**	**5,470**	**1,230 J**	**1,070**	**24.0 J**	3.4 J	2.0 U	**9.4**
Perfluoropentanesulfonic Acid (PFPeS)		ng/l	66.1	44.1	19.9	17.0 J	1.9 U	2.2 U	2.0 U	1.9 U
Perfluoropentanoic acid (PFPeA)		ng/l	84.1	154	104	64.6	5.5	4.3 U	4.0 U	10.3
Perfluoroundecanoic acid (PFUA/PFUdA)		ng/l	2.4 J	2.0 U	1.9 U	2.0 U	1.9 U	2.2 U	2.0 U	1.9 U
Cyanide (USEPA Method 335.4)										
Cyanide (Amenable)	**0.2**	mg/l	---	---	---	---	0.010 U	0.010 U	0.010 UJ	0.012
TCL Herbicides (USEPA Method 8151)										
2,4,5-T	**35**	ug/l	---	---	---	---	0.61	0.082 U	0.082 U	0.080 U
TCL VOCs + TICs (USEPA Method 8260)										
ACETONE	**50**	ug/l	---	---	---	---	10 U	10 UJ	10 UJ	3.1 J
TCL SVOCs + TICs (USEPA Method 8270/8270 SIM)										
1,4-DIOXANE (P-DIOXANE)	**0.35**	ug/l	0.265	**0.965**	**1.88**	**9.13**	**2.87**	0.0927 J	0.11 U	0.096 U
Notes										

U = Analyte not detected, J = Approximate value, --- = Constituent not analyzed

[1] Standards and Guidance Values (SGVs) from Technical Operational Guidance Series (TOGS) 1.1.1 (NYSDEC 1998) and February 2023 addendum

Table 3E
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents in Surface Water

Parameter	H(WS)[1,2]	A(C)[1]	Unit	Location:	LR-SW-1	LR-SW-2	LR-SW-3	LR-SW-4	LR-SW-INT	LR-SW-5	LR-SW-6	LR-SW-7	LR-SW-8	LR-SW-9	LR-SW-9
				Sample ID:	LR-SW1-032323	LR-SW2-032323	LR-SW3-032323	LR-SW4-032323	LR-SW-INT-032423	LR-SW5-032423	LR-SW6-032423	LR-SW7-032423	LR-SW8-032423	LR-SW9-032423	LR-SW-09-042623
				Sample Date:	3/23/2023	3/23/2023	3/23/2023	3/23/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	4/26/2023
TAL Inorganics + Mercury (USEPA Methods 6010 and 7470)															
Barium	**1000**		ug/l		200 U	---	200 U	---	958	200 U	---	---	---	200 U	---
Calcium			ug/l		78500	---	84700	---	196000	75200	---	---	---	81500	---
Iron	**300**	**300**	ug/l		**387**	---	**324**	---	**29300**	251	---	---	---	**1650**	---
Lead	**50**		ug/l		3.0 U	---	3.0 U	---	18.2	3.0 U	---	---	---	3.8	---
Magnesium	**35000**		ug/l		26300	---	27600	---	51800	24500	---	---	---	25700	---
Manganese	**300**		ug/l		59.9	---	68.6	---	1020	39.0	---	---	---	124	---
Sodium			ug/l		63500	---	68400	---	67200	59700	---	---	---	67600	---
Zinc	**2000**		ug/l		20 U	---	72.3	---	57.8	20 U	---	---	---	20 U	---
PFAS (USEPA Method 1633)															
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)			ng/l		1.9 U	1.9 U	2.2 U	1.9 U	3.4	1.9 U	2.2 U	1.8 U	2.0 U	1.9 U	1.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)			ng/l		1.9 U	1.9 U	2.2 U	1.9 U	7.2	1.9 U	2.2 U	1.8 U	2.0 U	1.9 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)			ng/l		1.8 J	1.7 J	1.6 J	1.7 J	6.6	1.9	1.4 J	1.6 J	2.2	2.1	1.8
Perfluorobutanoic acid (PFBA)			ng/l		8.1	6.0 J	5.2 J	5.9 J	50.8	6.3 J	13.0	6.2 J	5.5 J	10.1 J	8.5 J
Perfluorodecanoic acid (PFDA)			ng/l		1.9 U	1.9 U	2.2 U	1.9 U	1.3 J	1.9 U	2.2 U	1.8 U	2.0 U	1.9 U	1.8 U
Perfluoroheptanesulfonic acid (PFHpS)			ng/l		1.9 U	1.9 U	2.2 U	1.9 U	3.6	1.9 U	2.2 U	1.8 U	2.0 U	1.9 U	1.8 U
Perfluoroheptanoic acid (PFHpA)			ng/l		1.1 J	0.84 J	0.81 J	1.0 J	15.2	0.77 J	1.4 J	0.72 J	0.95 J	1.9	1.1 J
Perfluorohexanesulfonic acid (PFHxS)			ng/l		1.9 U	1.9 U	2.2 U	1.9 U	15.6	1.9 U	2.2 U	1.8 U	2.0 U	0.96 J	1.8 U
Perfluorohexanoic acid (PFHxA)			ng/l		2.0	2.3	2.0 J	2.1	19.3	2.0	1.6 J	1.4 J	1.8 J	2.3	2.1
Perfluorononanoic acid (PFNA)			ng/l		1.9 U	1.9 U	2.2 U	1.9 U	4.3	1.9 U	2.2 U	1.8 U	2.0 U	0.61 J	1.8 U
Perfluroroctanesulfonamide (FOSA)			ng/l		1.9 U	1.9 U	2.2 U	1.9 U	1.8	1.9 U	2.2 U	1.8 U	2.0 U	1.9 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	**2.7**	**160,000**	ng/l		1.8 J	2.1	1.6 J	1.7 J	147	1.9 U	1.7 J	1.4 J	2.0 U	10.8	1.5 J
Perfluorooctanoic acid (PFOA)	**6.7**		ng/l		6.9	5.9	5.6	6.8	586	3.4	4.0	4.5	5.9	14	2.7
Perfluoropentanesulfonic Acid (PFPeS)			ng/l		1.9 U	1.9 U	2.2 U	1.9 U	4.7	1.9 U	2.2 U	1.8 U	2.0 U	1.9 U	1.8 U
Perfluoropentanoic acid (PFPeA)			ng/l		1.7 J	1.8 J	1.6 J	1.7 J	9.2	1.7 J	4.3 U	1.6 J	3.9 U	5.4	3.6
TCL VOCs + TICs (USEPA Method 8260)															
ACETONE	**50**		ug/l		10 U	---	10 U	---	13.0	10 UJ	---	---	---	10 UJ	---
TCL SVOCs + TICs (USEPA Method 8270/8270 SIM)															
1,4-DIOXANE (P-DIOXANE)	**0.35**	**18000**	ug/l		0.10 U	0.10 U	0.10 U	0.10 U	0.262	0.10 U	0.20 U	0.10 U	0.10 U	0.11 U	---
Acenaphthene	**5.3**	**5.3**	ug/l		1.0 UJ	---	1.1 U	---	0.19 J	1.0 U	---	---	---	1.1 U	---
Butylbenzylphthalate	**50**		ug/l		2.0 UJ	---	2.1 U	---	2.0 UJ	2.0 U	---	---	---	0.57 J	---
Di-n-butylphthalate	**50**		ug/l		2.0 UJ	---	2.1 UJ	---	4.2	3.1	---	---	---	2.7	---

Notes

U = Analyte not detected, J = Approximate value, --- = Constituent not analyzed

[1] Standards and Guidance Values (SGVs) from Technical Operational Guidance Series (TOGS) 1.1.1 (NYSDEC 1998) and February 2023 addendum

[2] H(WS) SGVs are are for Class A waterbodies and are included for reference. Exceedances of these criteria are not indicated

Table 3F
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents in Sediment

			Location:	LR-SED-1	LR-SED-2	LR-SED-3	LR-SED-4	LR-SED-5	LR-SED-6	LR-SED-8	LR-SED-9	LR-SED-9
			Sample ID:	LR-SED1-032323	LR-SED2-032323	LR-SED3-032323	LR-SED4-032323	LR-SED5-032423	LR-SED6-032423	LR-SED8-032423	LR-SED9-032423[2]	LR-SED-09-042623
			Sample Date:	3/23/2023	3/23/2023	3/23/2023	3/23/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	4/26/2023
Parameter	Class A[1]	Class C[1]	Unit									
TAL Inorganics + Mercury (USEPA Methods 6010 and 7471)												
Aluminum			mg/kg	4090	---	7400	---	7150	---	---	5130	---
Arsenic	**10**	**33**	mg/kg	3.2 U	---	4.3 U	---	3.0	---	---	5.8 U	---
Barium			mg/kg	50.5	---	68.8	---	33.1	---	---	214	---
Beryllium			mg/kg	0.32 U	---	0.43 U	---	0.34	---	---	0.58 U	---
Calcium			mg/kg	12500	---	23000	---	27000	---	---	16600	---
Chromium	**43**	**110**	mg/kg	6.3	---	10.5	---	11.1	---	---	8.5	---
Cobalt			mg/kg	8.1 U	---	11 U	---	5.1	---	---	14 U	---
Copper	**32**	**150**	mg/kg	6.3	---	13.4	---	14.4	---	---	17.4	---
Iron			mg/kg	8920	---	16200	---	14100	---	---	12500	---
Lead	**36**	**130**	mg/kg	11.0	---	14.5	---	6.9	---	---	**204**	---
Magnesium			mg/kg	3340	---	7270	---	8790	---	---	3880	---
Manganese			mg/kg	530	---	568 J-	---	244	---	---	162	---
Nickel	**23**	**49**	mg/kg	6.5 U	---	8.7	---	11.5	---	---	12 U	---
Potassium			mg/kg	1600 U	---	2100 U	---	1330	---	---	2900 U	---
Vanadium			mg/kg	10.4	---	16.6	---	16.9	---	---	14 U	---
Zinc	**120**	**460**	mg/kg	60.1	---	80.9	---	40.6	---	---	**244**	---
Mercury	**0.2**	**1**	mg/kg	0.066 U	---	0.058 U	---	0.041 U	---	---	0.15	---
PFAS (USEPA Method 1633)												
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)			µg/kg	0.47 U	0.57 U	0.41 U	2.0	0.26 U	0.63 U	0.26 U	0.84 UJ	0.60 U
Perfluorobutanoic acid (PFBA)			µg/kg	3.9	2.3 U	1.7 U	2.0 U	1.1 U	2.5 U	1.0 U	3.3 UJ	2.4 U
Perfluorodecanoic acid (PFDA)			µg/kg	0.47 U	0.57 U	0.41 U	0.51 U	0.26 U	0.63 U	0.26 U	0.50 J	0.60 U
Perfluroroctanesulfonamide (FOSA)			µg/kg	0.47 U	0.57 U	0.41 U	0.69	0.26 U	0.63 U	0.26 U	0.84 UJ	0.60 UJ
Perfluorooctanesulfonic acid (PFOS)			µg/kg	0.93	0.90	0.53	14.5	0.19 J	1.0	0.30	18.9 J	5.0
Perfluorooctanoic acid (PFOA)			µg/kg	0.96	1.4	0.45	7.2	1.2	0.45 J	1.5	6.6 J	4.4
TCL Pesticides (USEPA Method 8081)												
4-4-DDD			mg/kg	0.0014 U	---	0.0017	---	0.00085 UJ	---	---	0.0026 UJ	---
4-4-DDT	**0.044**	**48**	mg/kg	0.0014 UJ	---	0.0015 J	---	0.00085 UJ	---	---	0.0026 UJ	---
Dieldrin	**0.18**	**0.78**	mg/kg	0.0014 U	---	0.0013 U	---	0.00085 UJ	---	---	0.0032 J	---
TCL VOCs + TICs (USEPA Method 8260)												
ACETONE			mg/kg	0.0354 J	---	0.0059 J	---	0.0196 J	---	---	0.136 J	---
METHYL ACETATE			mg/kg	0.014 U	---	0.0051 U	---	0.0034 J	---	---	0.021 UJ	---
METHYL ETHYL KETONE (2-BUTANONE)			mg/kg	0.027 U	---	0.010 U	---	0.010 U	---	---	0.0391 J	---
METHYLENE CHLORIDE			mg/kg	0.014 U	---	0.0052	---	0.0050 U	---	---	0.021 UJ	---
TCL SVOCs + TICs (USEPA Method 8270)												
2-Methylnaphthalene			mg/kg	0.0363 J	---	0.068 U	---	0.043 U	---	---	0.14 U	---
Benzaldehyde			mg/kg	0.71 U	---	0.0316 J	---	0.22 U	---	---	0.68 U	---
Benzo[a]anthracene		**16.82**	mg/kg	0.14 U	---	0.0592 J	---	0.043 U	---	---	0.109 J	---
Benzo[a]pyrene		**19.28**	mg/kg	0.14 U	---	0.0667 J	---	0.043 U	---	---	0.127 J	---
Benzo[b]fluoranthene		**19.58**	mg/kg	0.14 U	---	0.0947	---	0.043 U	---	---	0.146	---
Benzo[g,h,i]perylene		**21.9**	mg/kg	0.14 U	---	0.0600 J	---	0.043 U	---	---	0.102 J	---
Carbazole			mg/kg	0.29 U	---	0.0136 J	---	0.086 U	---	---	0.27 U	---
Chrysene		**16.86**	mg/kg	0.14 U	---	0.0713	---	0.043 U	---	---	0.119 J	---
Fluoranthene		**14.16**	mg/kg	0.14 U	---	0.110	---	0.043 U	---	---	0.257	---
Indeno[1,2,3-cd]pyrene		**22.3**	mg/kg	0.14 U	---	0.0574 J	---	0.043 U	---	---	0.0984 J	---
Phenanthrene		**11.94**	mg/kg	0.14 U	---	0.0712	---	0.043 U	---	---	0.175	---
Pyrene		**13.96**	mg/kg	0.14 U	---	0.104	---	0.043 U	---	---	0.228	---
Other												
Solids, Percent			%	41.9	35.2	48.1	39.0	74.9	32.1	76.9	23.8	33.3
Total Organic Carbon (TOC)			mg/kg	45900	59000	40600	64800	9560	163000	9020	116000	---
Notes												

U = Analyte not detected; J = Approximate value; - = Calibration outside limits/biased low, --- = Constituent not analyzed

[1] Freshwater Sediment Guidance Values from Screening and Assessment of Contaminated Sediment (NYSDEC 2014)

[2] PFAS analysis of this sediment sample was performed outside of hold time

Table 3G
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents for Waste Characterization - Fill

	Location:	DRUM	DRUM	DRUM	DRUM
	Sample ID:	LR-TT04-DRUM-030823	LR-TT04-DRUM-BOTTOM-031023	LR-TT04-DRUM-COMP-031023	LR-TT04-DRUM-TOP-031023
	Sample Date:	3/8/2023	3/10/2023	3/10/2023	3/10/2023
Parameter	Unit				
TAL Inorganics + Mercury (USEPA Methods 6010 and 7471)					
Aluminum	mg/kg	---	4440	4690	5260
Barium	mg/kg	---	56.0	58.6	157
Beryllium	mg/kg	---	0.24 U	0.30	0.43
Calcium	mg/kg	---	21300	35400	18400
Chromium	mg/kg	---	26.0	39.2	26.3
Cobalt	mg/kg	---	5.9 U	6.6	6.2 U
Copper	mg/kg	---	46.0	47.5	36.5
Iron	mg/kg	---	49900	42500	39300
Lead	mg/kg	---	52.4	284	282
Magnesium	mg/kg	---	6930	11800	5740
Manganese	mg/kg	---	468	406	365
Nickel	mg/kg	---	20.5	25.8	14.3
Selenium	mg/kg	---	26.2	12 U	12 U
Silver	mg/kg	---	3.0 U	3.1 U	3.6
Vanadium	mg/kg	---	13.1	13.9	14.9
Zinc	mg/kg	---	121	147	220
Mercury	mg/kg	---	0.12	0.14	0.13
PFAS (USEPA Method 1633)					
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	µg/kg	---	1.2 U	0.24 U	0.88
Perfluorodecanoic acid (PFDA)	µg/kg	---	0.24 U	0.24 U	0.20 J
Perfluoroheptanesulfonic acid (PFHpS)	µg/kg	---	0.24 U	0.24 U	0.18 J
Perfluorohexanesulfonic acid (PFHxS)	µg/kg	---	0.24 U	0.24 U	0.58
Perfluorohexanoic acid (PFHxA)	µg/kg	---	0.24 U	0.20 J	0.27
Perfluorononanoic acid (PFNA)	µg/kg	---	0.24 U	0.24 U	0.17 J
Perfluroroctanesulfonamide (FOSA)	µg/kg	---	0.24 U	0.24 U	0.35
Perfluorooctanesulfonic acid (PFOS)	µg/kg	---	4.0	9.6	28.2
Perfluorooctanoic acid (PFOA)	µg/kg	---	0.29	0.56	1.1
Perfluoropentanoic acid (PFPeA)	µg/kg	---	0.48 U	0.16 J	0.30 J
TCL Pesticides (USEPA Method 8081)					
4-4-DDD	mg/kg	---	0.0181	0.0061	0.0204
4-4-DDE	mg/kg	---	0.00078 U	0.00080 U	0.0141
4-4-DDT	mg/kg	---	0.0029	0.0025	0.0127
alpha-Chlordane	mg/kg	---	0.0026	0.0036	0.0159
Dieldrin	mg/kg	---	0.0025	0.0020	0.0046
y-Chlordane	mg/kg	---	0.0167	0.0045	0.0129
Heptachlor Epoxide	mg/kg	---	0.0038	0.0023	0.0044
TCL Herbicides (USEPA Method 8151)					
Pentachlorophenol	mg/kg	---	0.0117	0.0098 J	0.0223
TCL VOCs + TICs (USEPA Method 8260)					
1,4-DICHLOROBENZENE	mg/kg	---	0.17 U	0.15 U	0.127 J
ACETONE	mg/kg	---	52.2	9.03	13.3
BENZENE	mg/kg	---	0.921	0.191	0.191
CYCLOHEXANE	mg/kg	---	0.33 U	0.30 U	0.325 J
ETHYLBENZENE	mg/kg	---	935	387	118
Isopropylbenzene (Cumene)	mg/kg	---	18.7	7.36	3.33
M,P-XYLENE	mg/kg	---	6200	2250	729
METHYL ACETATE	mg/kg	---	0.659 J	0.721 J	0.793 J
METHYL ETHYL KETONE (2-BUTANONE)	mg/kg	---	3260	940	495
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	mg/kg	---	13.4	3.64	1.49
METHYLCYCLOHEXANE	mg/kg	---	0.241 J	0.231 J	1.06
O-XYLENE (1,2-DIMETHYLBENZENE)	mg/kg	---	1940	708	246
TETRACHLOROETHYLENE(PCE)	mg/kg	---	0.117 J	0.30 U	0.107 J
TOLUENE	mg/kg	---	3530	1130	393
Notes					

U = Analyte not detected, J = Approximate value, --- = Constituent not analyzed

Table 3G
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents for Waste Characterization - Fill

	Location:	DRUM	DRUM	DRUM	DRUM
	Sample ID:	LR-TT04-DRUM-030823	LR-TT04-DRUM-BOTTOM-031023	LR-TT04-DRUM-COMP-031023	LR-TT04-DRUM-TOP-031023
	Sample Date:	3/8/2023	3/10/2023	3/10/2023	3/10/2023
Parameter	Unit				
TCL VOCs + TICs (USEPA Method 8260)					
TRICHLOROETHYLENE (TCE)	mg/kg	---	0.362	0.15 U	0.17 U
Xylenes (total)	mg/kg	---	8140	2960	975
TCL SVOCs + TICs (USEPA Method 8270)					
1,1'-Biphenyl	mg/kg	---	0.199 J	0.0528 J	0.245 J
2,4-Dimethylphenol	mg/kg	---	0.98 U	0.39 U	0.424 J
2-Methylnaphthalene	mg/kg	---	0.500	0.161	1.12
2-Methylphenol	mg/kg	---	0.39 U	0.16 U	0.736
3&4-Methylphenol	mg/kg	---	0.234 J	0.16 U	0.325 J
Acenaphthene	mg/kg	---	2.88	0.528	4.11
Acenaphthylene	mg/kg	---	0.20 U	0.0710 J	0.252
Acetophenone	mg/kg	---	0.405 J	0.245 J	0.725 J
Anthracene	mg/kg	---	7.53	1.33	19.7
Benzo[a]anthracene	mg/kg	---	13.2	4.23	43.3
Benzo[a]pyrene	mg/kg	---	13.1	4.66	44.3
Benzo[b]fluoranthene	mg/kg	---	14.7	5.18	53.5
Benzo[g,h,i]perylene	mg/kg	---	7.83	3.14	24.7
Benzo[k]fluoranthene	mg/kg	---	5.33	2.13	12.6
Bis(2-Ethylhexyl)phthalate	mg/kg	---	18.8	10.0	5.33
Carbazole	mg/kg	---	3.51	0.610	6.05
Chrysene	mg/kg	---	12.3	4.03	42.3
Dibenzo[a,h]Anthracene	mg/kg	---	2.04	1.05	9.76
Dibenzofuran	mg/kg	---	1.67	0.268	2.17
Di-n-butylphthalate	mg/kg	---	0.153 J	0.0956 J	0.39 U
Fluoranthene	mg/kg	---	26.3	7.12	99.0
Fluorene	mg/kg	---	2.84	0.418	4.23
Indeno[1,2,3-cd]pyrene	mg/kg	---	9.12	3.52	30.3
Naphthalene	mg/kg	---	0.903	0.221	1.21
Pentachlorophenol	mg/kg	---	0.79 U	0.31 U	0.79 U
Phenanthrene	mg/kg	---	23.1	4.57	62.1
Phenol	mg/kg	---	0.139 J	0.16 U	0.39 U
Pyrene	mg/kg	---	22.7	7.36	89.8
Cyanide (USEPA Method 9012)					
Cyanide (Amenable)	mg/kg	---	0.55	0.94	1.1
TCLP Inorganics + Mercury (USEPA Methods 1311/6010/7470)					
Barium	mg/l	0.20 U	0.36	0.51	0.27
Cadmium	mg/l	0.0040 U	0.0073	0.0040 U	0.0053
Lead	mg/l	0.10 U	0.10 U	0.10 U	0.10
TCLP Herbicides (USEPA Method 1311/8151)					
2,4-D	mg/l	0.0033 U	0.0016 J	0.0022 J	0.0031 J
TCLP VOCs (USEPA Method 1311/8260)					
BENZENE	mg/l	0.0025 U	0.0109	0.0025 U	0.0025 U
CHLOROFORM	mg/l	0.0042 J	0.0050 U	0.0038 J	0.0037 J
METHYL ETHYL KETONE (2-BUTANONE)	mg/l	0.10 U	69.0	0.10 U	1.55
TRICHLOROETHYLENE (TCE)	mg/l	0.0050 U	0.0034 J	0.0050 U	0.0050 U
TCLP SVOCs (USEPA Method 1311/8270)					
2-Methylphenol	mg/l	0.020 U	0.0175 J	0.020 U	0.020 U
3&4-Methylphenol	mg/l	0.020 U	0.0248	0.020 U	0.020 U
Pentachlorophenol	mg/l	0.10 U	0.10 U	0.10 U	0.10 U
Other					
Solids, Percent	%	73.4	83.7	81.8	79.4
Total Organic Carbon (TOC)	mg/kg	---	37400	38100	95300
pH	pH units	7.65	7.38	7.40	7.14
Notes					

U = Analyte not detected, J = Approximate value, --- = Constituent not analyzed

Table 3H
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Detected Constituents for Waste Characterization - Water

	Location:	DRUM
	Sample ID:	LR-DRUMWC-032423
	Sample Date:	3/24/2023
Parameter	Unit	
TAL Inorganics + Mercury (USEPA Methods 6010 and 7470)		
Barium	ug/l	236
Beryllium	ug/l	3.3
Calcium	ug/l	278000
Iron	ug/l	8230
Magnesium	ug/l	97900
Manganese	ug/l	645
Potassium	ug/l	19600
Sodium	ug/l	89500
TCL VOCs + TICs (USEPA Method 8260)		
ACETONE	ug/l	17.8
ETHYLBENZENE	ug/l	21.5
M,P-XYLENE	ug/l	142
METHYL ETHYL KETONE (2-BUTANONE)	ug/l	128
O-XYLENE (1,2-DIMETHYLBENZENE)	ug/l	46.7
TOLUENE	ug/l	86.3
Xylenes (total)	ug/l	189
TCL SVOCs + TICs (USEPA Method 8270/8270 SIM)		
1,4-DIOXANE (P-DIOXANE)	ug/l	1.3
2,4-Dimethylphenol	ug/l	2.6 J
2-Methylphenol	ug/l	0.92 J
3&4-Methylphenol	ug/l	1.3 J
Acetophenone	ug/l	0.38 J
Butylbenzylphthalate	ug/l	0.61 J
Di-n-butylphthalate	ug/l	9.4
N-Nitrosodiphenylamine	ug/l	0.29 J
Phenol	ug/l	0.40 J
Notes		

J = Approximate value, --- = Constituent not analyzed

RAMBOLL

Table 4
Lyndon Road Landfill - Site #858026B
Site Characterization Report
Water Elevation Summary - March 20, 2023

Location	Depth to Water	Top of Casing / Staff Gauge	Water Elevation
Lyndon Road Landfill			
LR-MW-01	18.64	478.24	459.60
LR-MW-02	8.94	468.03	459.09
LR-MW-03	28.82	488.13	459.31
LR-MW-04	19.70	478.54	458.84
LR-MW-05	10.04	468.97	458.93
LR-MW-06	7.53	466.12	458.59
LR-MW-07	15.00	473.71	458.71
LR-MW-08	8.21	471.93	463.72
Little League Landfill			
LL-MW-01[1]	6.49	464.47	457.98
LL-MW-02	3.34	462.24	458.90
LL-MW-03	6.48	466.27	459.79
LL-MW-05	5.32	463.50	458.18
LL-MW-XX[2]	3.34	459.57	456.23
Adjacent Parcel			
GR-MW-01	2.84	462.86	460.02
GR-MW-02	3.34	463.53	460.19
GR-MW-03	3.04	462.65	459.61
Thomas Creek			
SG-1	1.50	459.39	457.89
SG-2	1.69	459.77	458.08
SG-3	1.58	459.99	458.41
SG-4	1.62	459.94	458.32
SG-5	1.00	460.72	459.72
SG-6	1.04	460.06	459.02
SG-9	1.63	460.70	459.07
Notes			

1. Water elevation of 457.99 was measured on March 21, 2023, which was 0.01 feet different than the March 20 water elevation.
2. The water elevation shown was measured on March 21, 2023.

FIGURES

Service Layer Credits: USGSTopo: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed April, 2023.

Map Scale: 1:24,000 | Map Center: 77°24'2"W 43°5'27"N

PROJECT: 1940102910 | DATED: 7/28/2023 | DESIGNER: MCCOMBSI

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KEY MAP

0 1,000 2,000 Feet

SITE LOCATION
LYNDON ROAD LANDFILL SITE CHARACTERIZATION REPORT

FAIRPORT, NY

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

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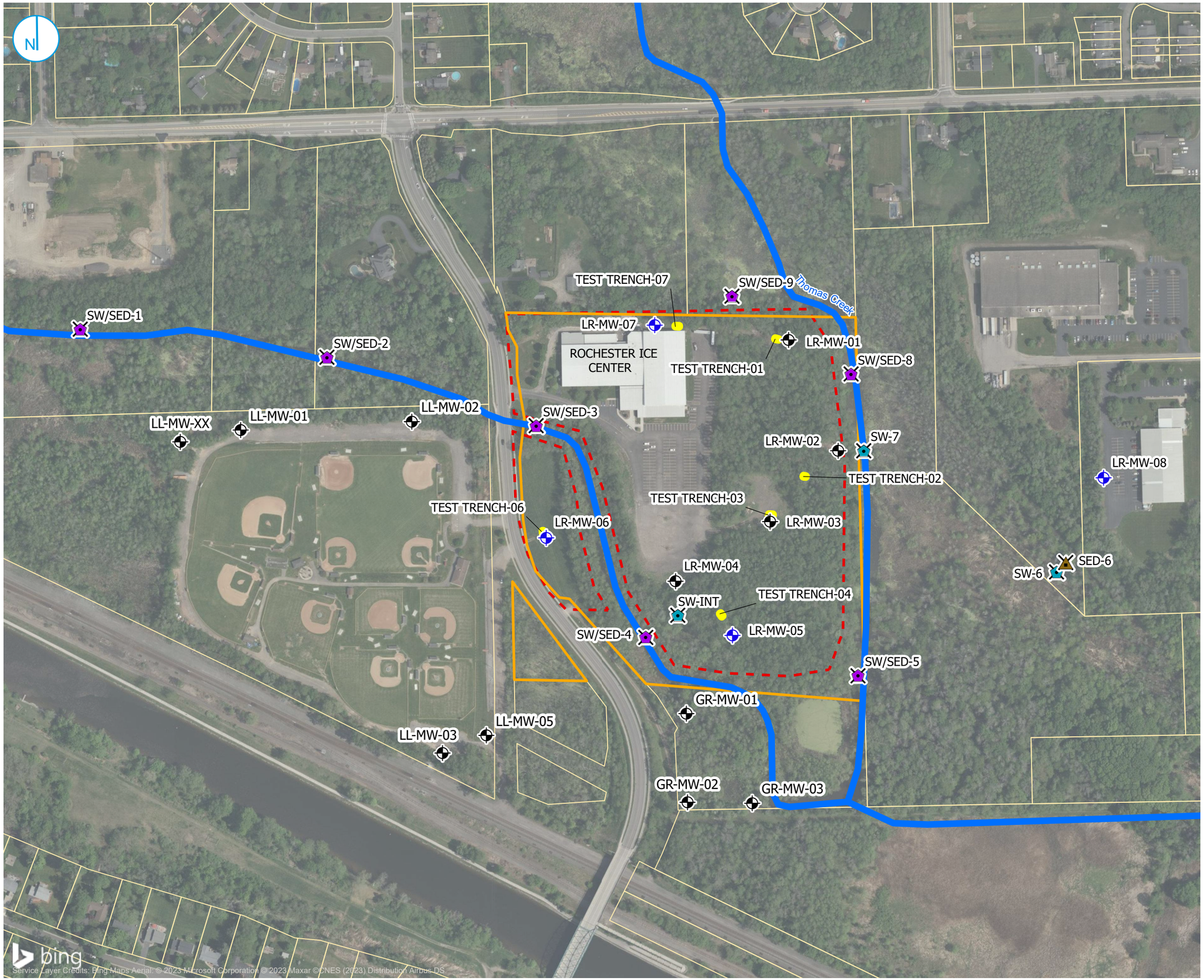
PROJECT: 1940102910 | DATED: 12/8/2023 | DESIGNER: MCCOMBSI



LEGEND

- ESTIMATED FILL LIMITS
- TEST TRENCH
- WATER FEATURE
- 80 LYNDON RD TAX PARCEL
- TAX PARCEL BOUNDARY
- EXISTING MONITORING WELL
- INSTALLED MONITORING WELL
- SURFACE WATER/SEDIMENT SAMPLE
- SURFACE WATER SAMPLE
- SEDIMENT SAMPLE

Notes

1. Monitoring well, test trench, and sampling locations are based on a field survey performed by Ravi Engineering & Land Surveying, P.C. on April 4, 2023.

0 275 550 Feet

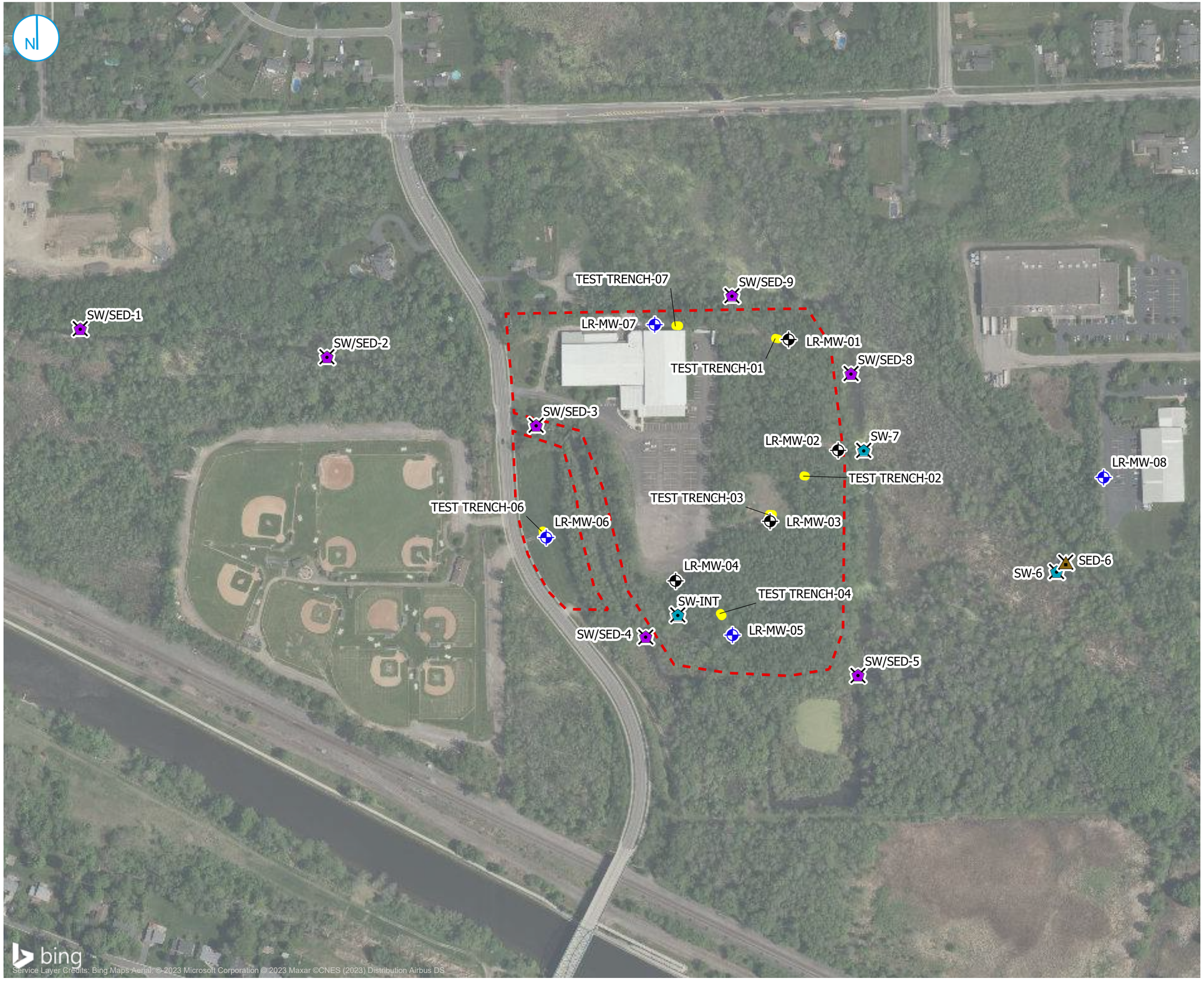
SITE FEATURES AND OVERVIEW

LYNDON ROAD LANDFILL SITE CHARACTERIZATION REPORT

FAIRPORT, NY

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



LEGEND

- ESTIMATED FILL LIMITS
- TEST TRENCH
- EXISTING MONITORING WELL
- INSTALLED MONITORING WELL
- SURFACE WATER/SEDIMENT SAMPLE
- SURFACE WATER SAMPLE
- SEDIMENT SAMPLE

Notes

1. Monitoring well, test trench, and sampling locations are based on a field survey performed by Ravi Engineering & Land Surveying, P.C. on April 4, 2023.

0 275 550 Feet

SAMPLING LOCATIONS
LYNDON ROAD LANDFILL SITE CHARACTERIZATION REPORT

FAIRPORT, NY

FIGURE 3

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

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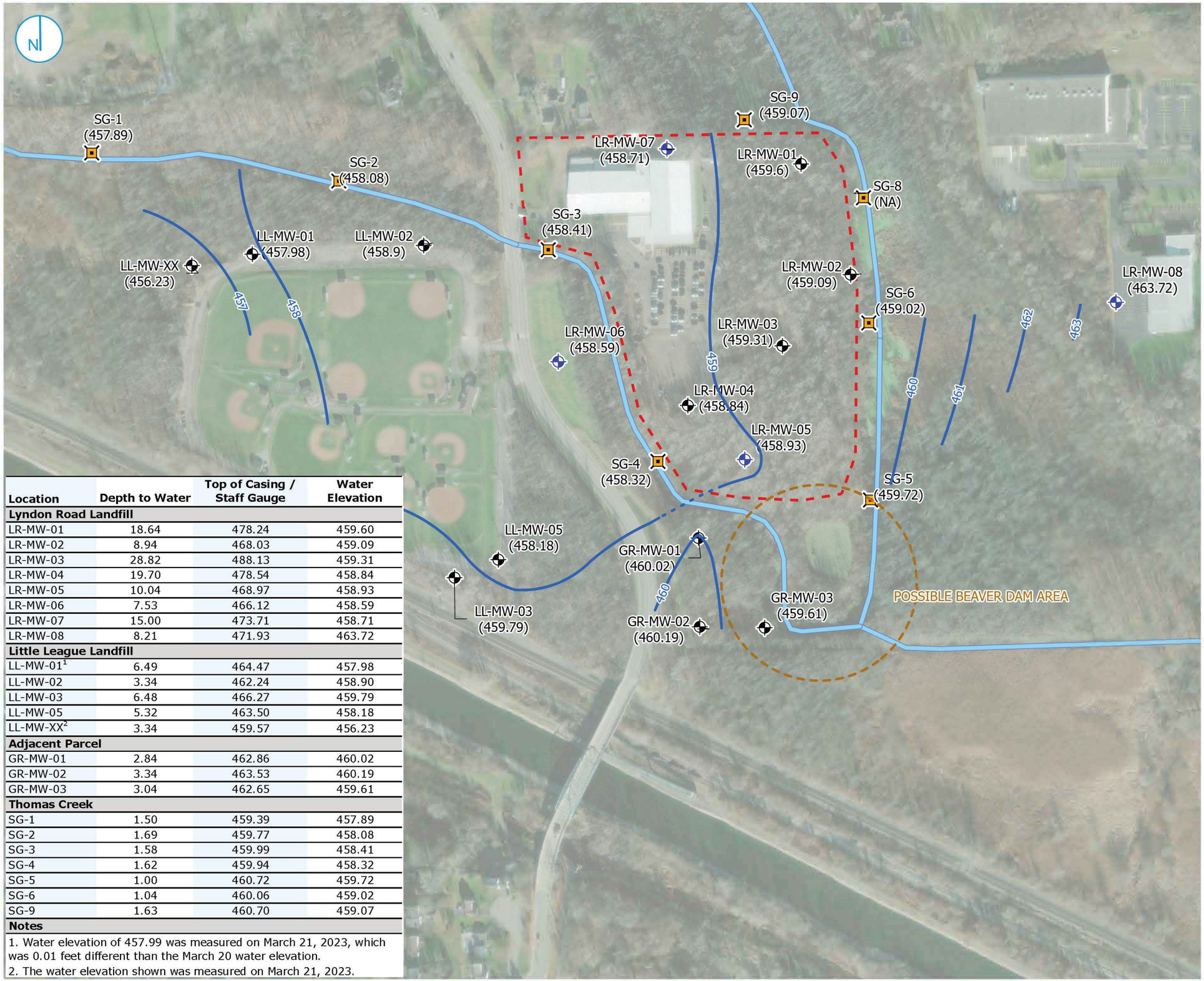

Location	Depth to Water	Top of Casing / Staff Gauge	Water Elevation
Lyndon Road Landfill			
LR-MW-01	18.64	478.24	459.60
LR-MW-02	8.94	468.03	459.09
LR-MW-03	28.82	488.13	459.31
LR-MW-04	19.70	478.54	458.84
LR-MW-05	10.04	468.97	458.93
LR-MW-06	7.53	466.12	458.59
LR-MW-07	15.00	473.71	458.71
LR-MW-08	8.21	471.93	463.72
Little League Landfill			
LL-MW-01[1]	6.49	464.47	457.98
LL-MW-02	3.34	462.24	458.90
LL-MW-03	6.48	466.27	459.79
LL-MW-05	5.32	463.50	458.18
LL-MW-XX[2]	3.34	459.57	456.23
Adjacent Parcel			
GR-MW-01	2.84	462.86	460.02
GR-MW-02	3.34	463.53	460.19
GR-MW-03	3.04	462.65	459.61
Thomas Creek			
SG-1	1.50	459.39	457.89
SG-2	1.69	459.77	458.08
SG-3	1.58	459.99	458.41
SG-4	1.62	459.94	458.32
SG-5	1.00	460.72	459.72
SG-6	1.04	460.06	459.02
SG-9	1.63	460.70	459.07
Notes			

1. Water elevation of 457.99 was measured on March 21, 2023, which was 0.01 feet different than the March 20 water elevation.
2. The water elevation shown was measured on March 21, 2023.

LEGEND

- ESTIMATED FILL LIMITS
- EXISTING MONITORING WELL
- INSTALLED MONITORING WELL
- GAUGE LOCATION

MARCH 2023 GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR
- INFERRED GROUNDWATER CONTOUR

Notes

1. Monitoring well, test trench, and sampling locations are based on a field survey performed by Ravi Engineering & Land Surveying, P.C. on April 4, 2023.

0 275 Feet

MARCH 20, 2023 WATER ELEVATION

LYNDON ROAD LANDFILL SITE CHARACTERIZATION REPORT

FAIRPORT, NY

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

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PROJECT: 194010291O | DATED: 9/15/2023 | DESIGNER: NEWTONJM

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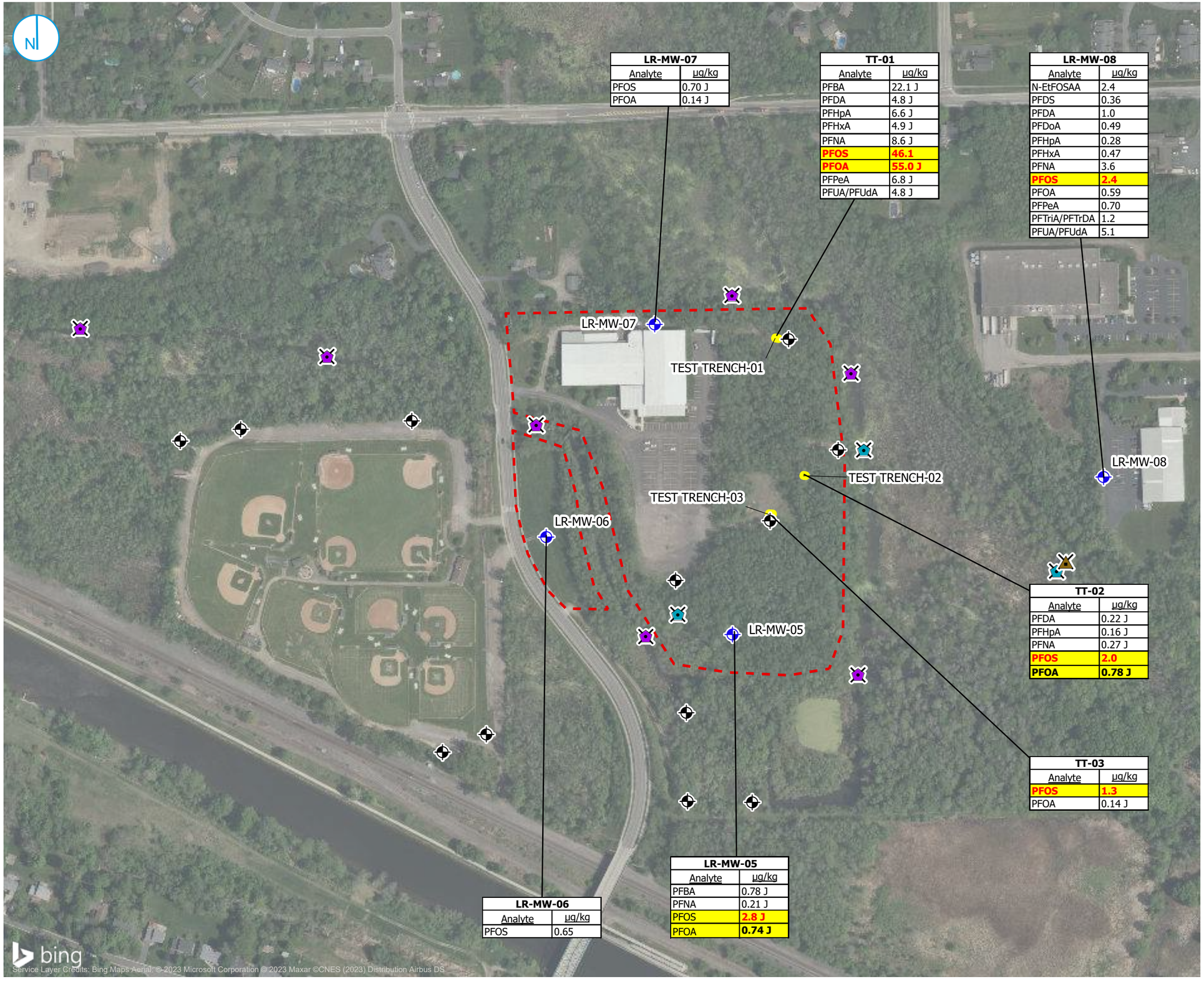
PROJECT: 1940102910 | DATED: 12/8/2023 | DESIGNER: COOPERSA



LR-MW-07	
Analyte	µg/kg
PFOS	0.70 J
PFOA	0.14 J

TT-01	
Analyte	µg/kg
PFBA	22.1 J
PFDA	4.8 J
PFHpA	6.6 J
PFHxA	4.9 J
PFNA	8.6 J
PFOS	**46.1**
PFOA	**55.0 J**
PFPeA	6.8 J
PFUA/PFUdA	4.8 J

LR-MW-08	
Analyte	µg/kg
N-EtFOSAA	2.4
PFDS	0.36
PFDA	1.0
PFDoA	0.49
PFHpA	0.28
PFHxA	0.47
PFNA	3.6
PFOS	**2.4**
PFOA	0.59
PFPeA	0.70
PFTriA/PFTrDA	1.2
PFUA/PFUdA	5.1

TT-02	
Analyte	µg/kg
PFDA	0.22 J
PFHpA	0.16 J
PFNA	0.27 J
PFOS	**2.0**
PFOA	**0.78 J**

TT-03	
Analyte	µg/kg
PFOS	**1.3**
PFOA	0.14 J

LR-MW-06	
Analyte	µg/kg
PFOS	0.65

LR-MW-05	
Analyte	µg/kg
PFBA	0.78 J
PFNA	0.21 J
PFOS	**2.8 J**
PFOA	**0.74 J**

LEGEND

- ESTIMATED FILL LIMITS
- TEST TRENCH
- EXISTING MONITORING WELL
- INSTALLED MONITORING WELL
- SURFACE WATER/SEDIMENT SAMPLE
- SURFACE WATER SAMPLE
- SEDIMENT SAMPLE

6 NYCRR Part 375-6.8 Soil Cleanup Objectives[1]			
Analyte	Commercial	Protection of Groundwater	Unrestricted
PFOS	440	**1.0**	**0.88**
PFOA	500	**0.8**	**0.66**

Notes

-[1] 6 NYCRR Part 375-6.8: Unrestricted and Restricted Use Soil Cleanup Objectives, December 14, 2006.
- Highlighted, red, and bold text indicate exceedances of soil cleanup objective criteria.
- Lab qualifiers: J = approximate value
- Monitoring well, test trench, and sampling locations are based on a field survey performed by Ravi Engineering & Land Surveying, P.C. on April 4, 2023.

0 275 550 Feet

DETECTED PFAS AND 1,4-DIOXANE IN SURFACE SOIL

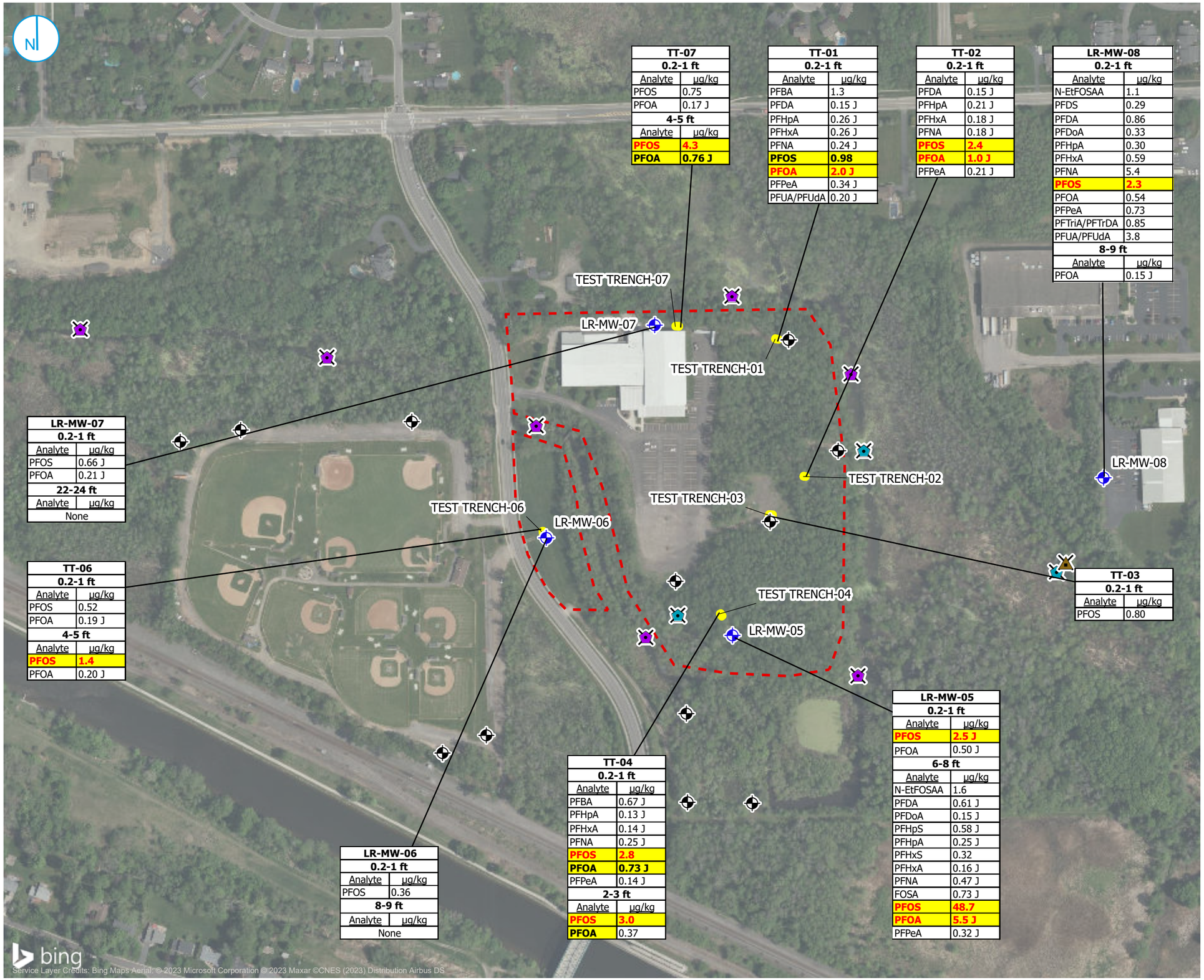
LYNDON ROAD LANDFILL

FAIRPORT, NY

FIGURE 5

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



LEGEND

- ESTIMATED FILL LIMITS
- TEST TRENCH
- EXISTING MONITORING WELL
- INSTALLED MONITORING WELL
- SURFACE WATER/SEDIMENT SAMPLE
- SURFACE WATER SAMPLE
- SEDIMENT SAMPLE

6 NYCRR Part 375-6.8 Soil Cleanup Objectives[1]			
Analyte	Commercial	Protection of Groundwater	Unrestricted
PFOS	440	1.0	0.88
PFOA	500	0.8	0.66

Notes

-[1] 6 NYCRR Part 375-6.8: Unrestricted and Restricted Use Soil Cleanup Objectives, December 14, 2006.
-Highlighted, red, and bold text indicate exceedances of soil cleanup objective criteria.
-Monitoring well, test trench, and sampling locations are based on a field survey performed by Ravi Engineering & Land Surveying, P.C. on April 4, 2023.
-Lab qualifiers: J = approximate value

0 275 550 Feet

DETECTED PFAS AND 1,4-DIOXANE IN SUBSURFACE SOIL/FILL

LYNDON ROAD LANDFILL

FAIRPORT, NY

FIGURE 6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

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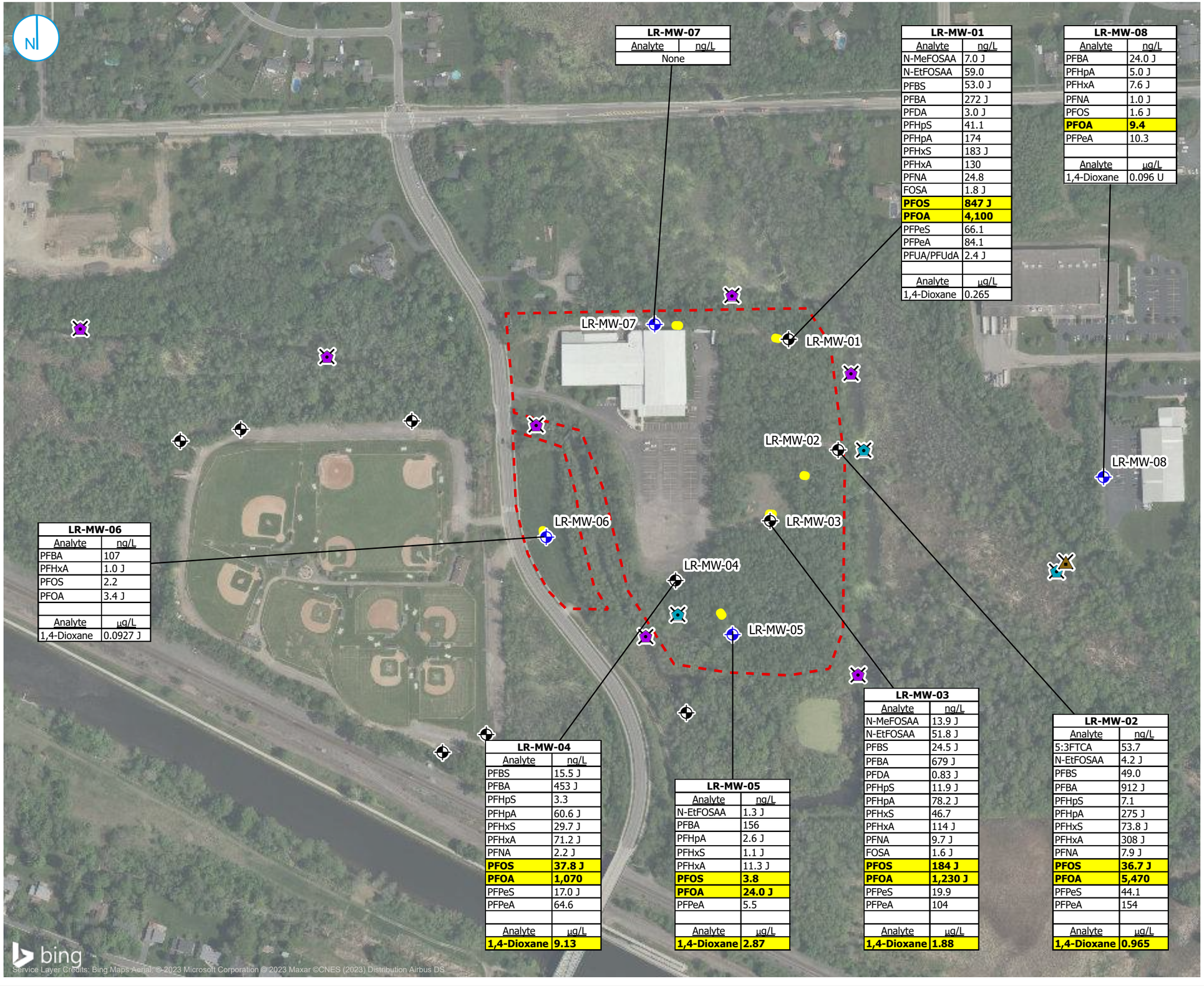


LR-MW-07	
Analyte	ng/L
None	

LR-MW-01	
Analyte	ng/L
N-MeFOSAA	7.0 J
N-EtFOSAA	59.0
PFBS	53.0 J
PFBA	272 J
PFDA	3.0 J
PFHpS	41.1
PFHpA	174
PFHxS	183 J
PFHxA	130
PFNA	24.8
FOSA	1.8 J
PFOS	**847 J**
PFOA	**4,100**
PFPeS	66.1
PFPeA	84.1
PFUA/PFUdA	2.4 J
Analyte	µg/L
1,4-Dioxane	0.265

LR-MW-08	
Analyte	ng/L
PFBA	24.0 J
PFHpA	5.0 J
PFHxA	7.6 J
PFNA	1.0 J
PFOS	1.6 J
PFOA	**9.4**
PFPeA	10.3
Analyte	µg/L
1,4-Dioxane	0.096 U

LR-MW-06	
Analyte	ng/L
PFBA	107
PFHxA	1.0 J
PFOS	2.2
PFOA	3.4 J
Analyte	µg/L
1,4-Dioxane	0.0927 J

LR-MW-04	
Analyte	ng/L
PFBS	15.5 J
PFBA	453 J
PFHpS	3.3
PFHpA	60.6 J
PFHxS	29.7 J
PFHxA	71.2 J
PFNA	2.2 J
PFOS	**37.8 J**
PFOA	**1,070**
PFPeS	17.0 J
PFPeA	64.6
Analyte	µg/L
1,4-Dioxane	**9.13**

LR-MW-05	
Analyte	ng/L
N-EtFOSAA	1.3 J
PFBA	156
PFHpA	2.6 J
PFHxS	1.1 J
PFHxA	11.3 J
PFOS	**3.8**
PFOA	**24.0 J**
PFPeA	5.5
Analyte	µg/L
1,4-Dioxane	**2.87**

LR-MW-03	
Analyte	ng/L
N-MeFOSAA	13.9 J
N-EtFOSAA	51.8 J
PFBS	24.5 J
PFBA	679 J
PFDA	0.83 J
PFHpS	11.9 J
PFHpA	78.2 J
PFHxS	46.7
PFHxA	114 J
PFNA	9.7 J
FOSA	1.6 J
PFOS	**184 J**
PFOA	**1,230 J**
PFPeS	19.9
PFPeA	104
Analyte	µg/L
1,4-Dioxane	**1.88**

LR-MW-02	
Analyte	ng/L
5:3FTCA	53.7
N-EtFOSAA	4.2 J
PFBS	49.0
PFBA	912 J
PFHpS	7.1
PFHpA	275 J
PFHxS	73.8 J
PFHxA	308 J
PFNA	7.9 J
PFOS	**36.7 J**
PFOA	**5,470**
PFPeS	44.1
PFPeA	154
Analyte	µg/L
1,4-Dioxane	**0.965**

LEGEND

- ESTIMATED FILL LIMITS
- TEST TRENCH
- EXISTING MONITORING WELL
- INSTALLED MONITORING WELL
- SURFACE WATER/SEDIMENT SAMPLE
- SURFACE WATER SAMPLE
- SEDIMENT SAMPLE

TOGS 1.1.1 Standards and Guidance Values[1]	
Analyte	Class GA
PFOS	**2.7**
PFOA	**6.7**
1,4-Dioxane	**0.35**

Notes

-[1] Addendum to 1998 TOGS 1.1.1, February 23, 2023.
- Highlighted bold text indicates exceedances of soil cleanup objective criteria.
- Lab qualifiers: J = approximate value
- LR-MW-01 through LR-MW-04 screened partially within fill; LR-MW-05 through LR-MW-07 screened entirely below fill.
- Monitoring well, test trench, and sampling locations are based on a field survey performed by Ravi Engineering & Land Surveying, P.C. on April 4, 2023.

0 275 550 Feet

DETECTED PFAS AND 1,4-DIOXANE IN GROUNDWATER

LYNDON ROAD LANDFILL

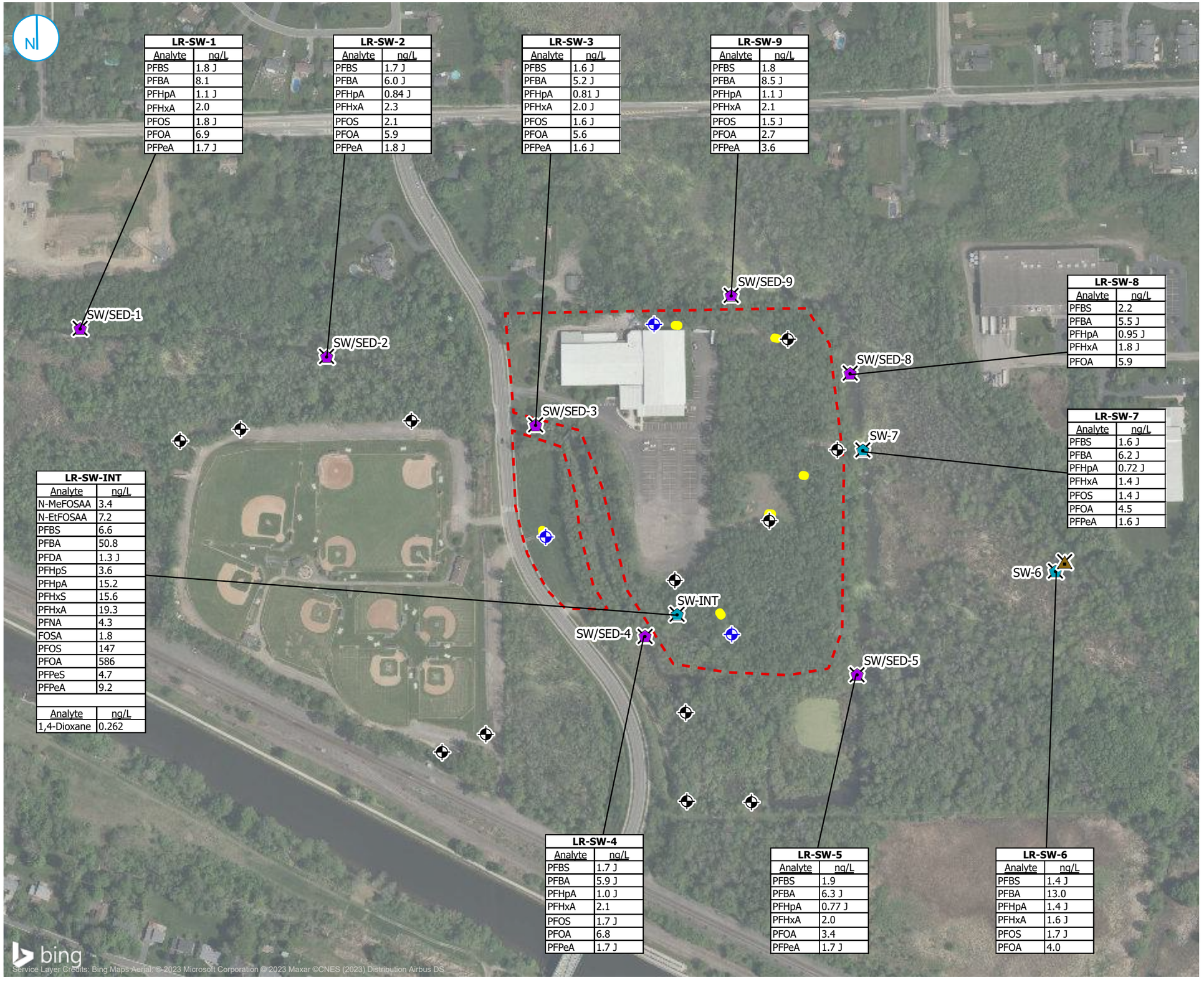
FAIRPORT, NY

FIGURE 7

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\194010291O.NYSDEC-Lyndon-Road-LI\Docs\MXD\Lyndon_Site_CharacterizationSite_Characterization_Figures.aprx
PROJECT: 194010291O | DATED: 12/8/2023 | DESIGNER: COOPERSA



LR-SW-1

Analyte	ng/L
PFBS	1.8 J
PFBA	8.1
PFHpA	1.1 J
PFHxA	2.0
PFOS	1.8 J
PFOA	6.9
PFPeA	1.7 J

LR-SW-2

Analyte	ng/L
PFBS	1.7 J
PFBA	6.0 J
PFHpA	0.84 J
PFHxA	2.3
PFOS	2.1
PFOA	5.9
PFPeA	1.8 J

LR-SW-3

Analyte	ng/L
PFBS	1.6 J
PFBA	5.2 J
PFHpA	0.81 J
PFHxA	2.0 J
PFOS	1.6 J
PFOA	5.6
PFPeA	1.6 J

LR-SW-9

Analyte	ng/L
PFBS	1.8
PFBA	8.5 J
PFHpA	1.1 J
PFHxA	2.1
PFOS	1.5 J
PFOA	2.7
PFPeA	3.6

LR-SW-8

Analyte	ng/L
PFBS	2.2
PFBA	5.5 J
PFHpA	0.95 J
PFHxA	1.8 J
PFOA	5.9

LR-SW-7

Analyte	ng/L
PFBS	1.6 J
PFBA	6.2 J
PFHpA	0.72 J
PFHxA	1.4 J
PFOS	1.4 J
PFOA	4.5
PFPeA	1.6 J

LR-SW-INT

Analyte	ng/L
N-MeFOSAA	3.4
N-EtFOSAA	7.2
PFBS	6.6
PFBA	50.8
PFDA	1.3 J
PFHpS	3.6
PFHpA	15.2
PFHxS	15.6
PFHxA	19.3
PFNA	4.3
FOSA	1.8
PFOS	147
PFOA	586
PFPeS	4.7
PFPeA	9.2

Analyte	ng/L
1,4-Dioxane	0.262

LR-SW-4

Analyte	ng/L
PFBS	1.7 J
PFBA	5.9 J
PFHpA	1.0 J
PFHxA	2.1
PFOS	1.7 J
PFOA	6.8
PFPeA	1.7 J

LR-SW-5

Analyte	ng/L
PFBS	1.9
PFBA	6.3 J
PFHpA	0.77 J
PFHxA	2.0
PFOA	3.4
PFPeA	1.7 J

LR-SW-6

Analyte	ng/L
PFBS	1.4 J
PFBA	13.0
PFHpA	1.4 J
PFHxA	1.6 J
PFOS	1.7 J
PFOA	4.0

LEGEND

- ESTIMATED FILL LIMITS
- TEST TRENCH
- EXISTING MONITORING WELL
- INSTALLED MONITORING WELL
- SURFACE WATER/SEDIMENT SAMPLE
- SURFACE WATER SAMPLE
- SEDIMENT SAMPLE

TOGS 1.1.1 Standards and Guidance Value[1]

Analyte	A(C) - Class B	H(WS) - Class A
PFOS	160,000	2.7
PFOA	--	6.7
1,4-Dioxane	18000	0.35

Notes

[-1] Addendum to 1998 TOGS 1.1.1, February 23, 2023.
- Thomas Creek is a class B waterbody; exceedances of the Class A H(WS) standards and guidance values are not indicated.
- Lab qualifiers: J = approximate value
- Monitoring well, test trench, and sampling locations are based on a field survey performed by Ravi Engineering & Land Surveying, P.C. on April 4, 2023.

0 275 550 Feet

DETECTED PFAS AND 1,4-DIOXANE IN SURFACE WATER

LYNDON ROAD LANDFILL

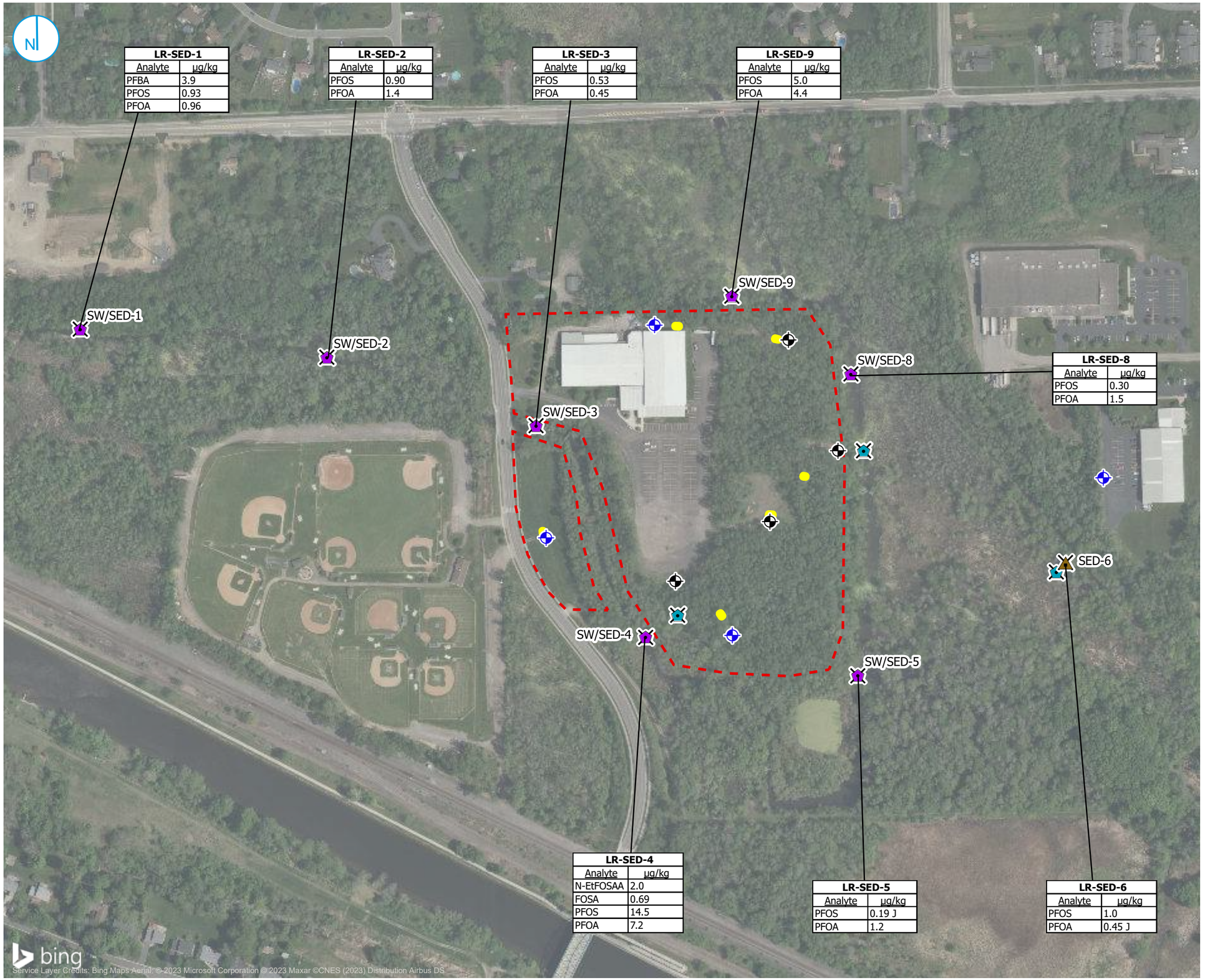
FAIRPORT, NY

FIGURE 8

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940102910 | DATED: 12/8/2023 | DESIGNER: COOPERSA
K:\NYS-DEC.1087815\1940102910.NYSDEC-Lyndon-Road-LI\Docs\MXD\Lyndon_Site_Characterization\Site_Characterization_Figures.aprx



LEGEND

- ESTIMATED FILL LIMITS
- TEST TRENCH
- EXISTING MONITORING WELL
- INSTALLED MONITORING WELL
- SURFACE WATER/SEDIMENT SAMPLE
- SURFACE WATER SAMPLE
- SEDIMENT SAMPLE

Sediment Guidance Values[1]		
Analyte	Class A	Class C
PFOS	--	--
PFOA	--	--
1,4-Dioxane	--	--

Notes

[-1] Guidelines for sediment have not been established.
- Lab qualifiers: J = approximate value
- Monitoring well, test trench, and sampling locations are based on a field survey performed by Ravi Engineering & Land Surveying, P.C. on April 4, 2023.

0 275 550 Feet

DETECTED PFAS AND 1,4-DIOXANE IN SEDIMENT

LYNDON ROAD LANDFILL

FAIRPORT, NY

FIGURE 9

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
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RAMBOLL

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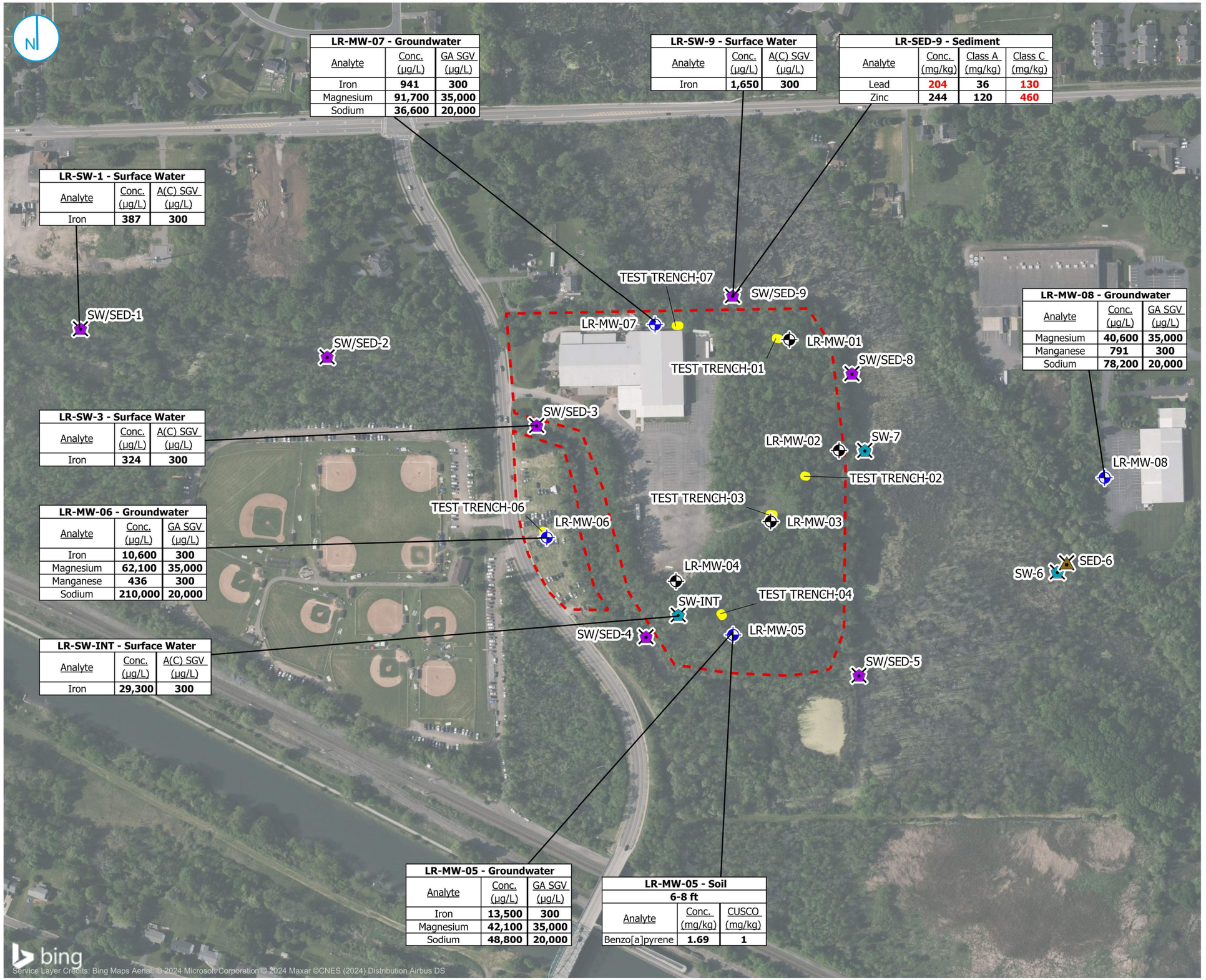
PROJECT: 194010291O | DATED: 12/8/2023 | DESIGNER: COOPERSA



LEGEND

- ESTIMATED FILL LIMITS
- TEST TRENCH
- EXISTING MONITORING WELL
- INSTALLED MONITORING WELL
- SURFACE WATER/SEDIMENT SAMPLE
- SURFACE WATER SAMPLE
- SEDIMENT SAMPLE

Notes

- Monitoring well, test trench, and sampling locations are based on a field survey performed by Ravi Engineering & Land Surveying, P.C. on April 4, 2023.
- Groundwater sample exceedances of Class GA SGVs may be due in part to suspended sediment in the samples at the time of sampling.
- Criteria from 6 NYCRR Part 375 (Commercial Use Soil Cleanup Objective), 1998 TOGS 1.1.1 and addenda (Class GA Groundwater and Class A(C) Surface Water), and 2014 Screening and Assessment of Contaminated Sediment (Class A and Class C Freshwater Sediment Guidance Values).
- **Bold** and **red** text indicate exceedances of associated criteria.
- SGV: standards and guidance values; CUSCO: commercial use soil cleanup objective.

0 275 550 Feet

EXCEEDANCES IN SOIL, GROUNDWATER, SURFACE WATER, AND SEDIMENT

LYNDON ROAD LANDFILL SITE CHARACTERIZATION REPORT

FAIRPORT, NY

FIGURE 10

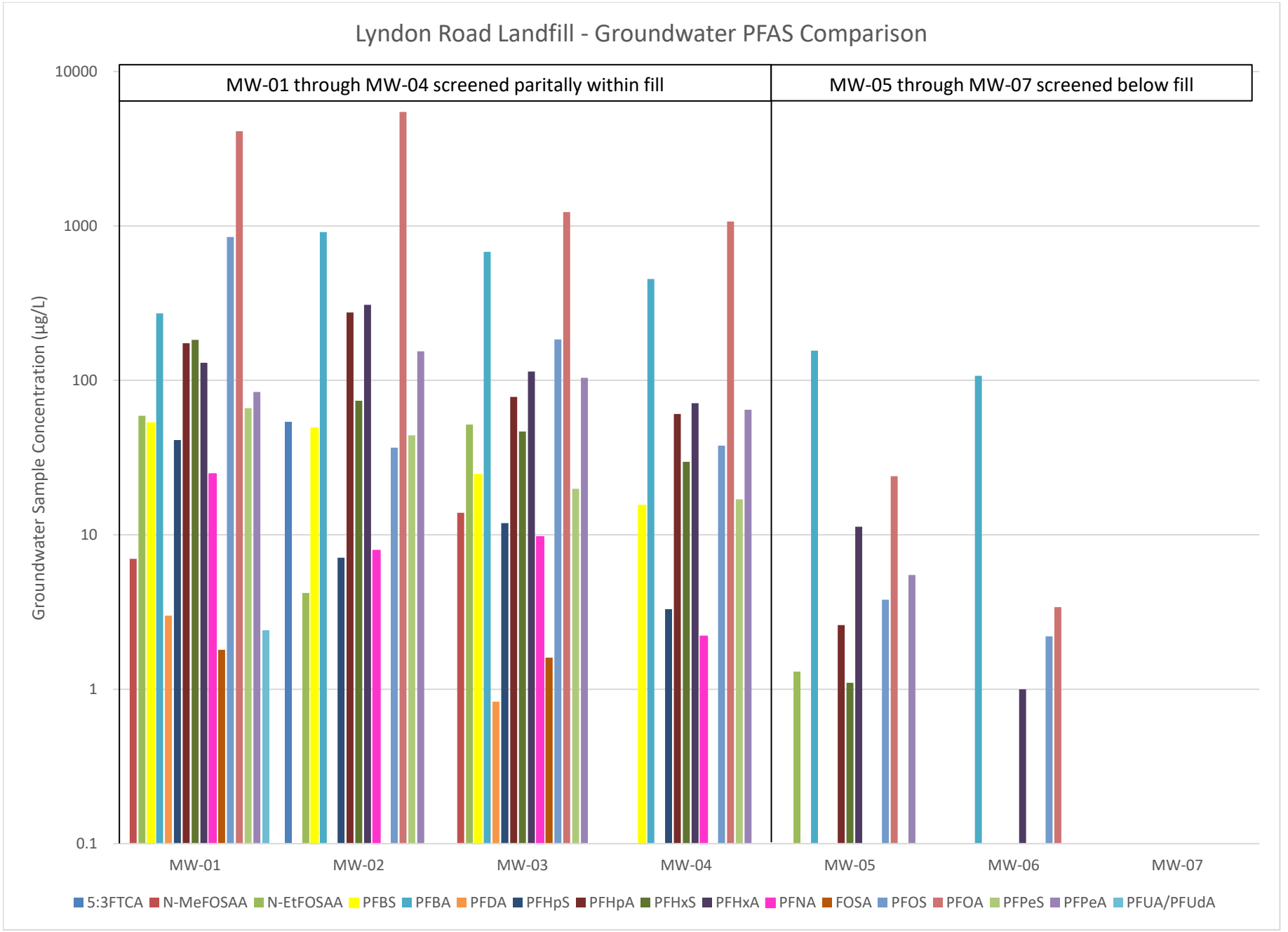
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\194010291O.NYSDEC-Lyndon-Road-LI\Docs\MXD\Lyndon_Site_Characterization\Site_Characterization_Figures.aprx
PROJECT: 194010291O | DATED: 3/13/2024 | DESIGNER: SSOULE

RAMBOLL

FIGURE 11



APPENDICES

APPENDIX 1
SOIL BORING LOGS

RAMBOLL

SOIL BORING LOG

BORING ID: LR-MW-05
GEOLOGIST: Rebecca Britt

PROJECT:	Lyndon Rd Landfill	SITE NAME:	Lyndon Road Landfill	DATE STARTED:	3/2/2023
CLIENT:	NYSDEC	SITE LOC.:	Fairport, NY	DATE COMPLETED:	3/2/2023
JOB #:	1940102910	BORING LOC.:	Southern portion of site	SAMPLE TIME:	11:00

DRILL CONT.:	La Bella	DRILLING METHOD:		NORTHING:	1128035.73
FOREMAN:	Chris Stone	HAMMER / FALL:		EASTING:	1464426.91
RIG TYPE:		SAMPLER TYPE:	Split Spoon	ELEVATION:	466.17 (Ground/NAVD88)
PURPOSE:	MW Install and Sampling	SAMPLER DIAMETER:	2"	DATUM:	Ground

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	Blows/6"	"N" Value	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
								Time	PID
1	0	2	2/0.5	1-3-2-15		Brown medium SAND with organics, root fibers, fill	SAND w/	9:34	0.0
						materials including plastic, glass, fabric, moist	FILL		
2	2	4	2/0.75	2-2-3-2		Same as above, red-brown in color, with styrofoam	SAND w/	9:50	0.0
						and rubber fragments, moist	FILL		
3	4	6	2/0.75	4-9-8-11		Same as above, dry to moist	SAND w/	10:05	0.0
							FILL		
4	6	8	2/1.5	8-2-3-8		6-7: Same as above	SAND w/	10:23	0.0
						7-8: Gray-black clayey SAND with wood fragments,	FILL		0.0
						slight petroleum-like odor, sheen, wet			
						SOIL: LR-MW-5-06-08-030223 3/2/23 11:00 (VOCs),			
						15:00 (other parameters)			
5	8	10	2/0.2	12-2-2-3		Fill materials including plastic bag, brick fragments	FILL	10:34	0.0
						and rubber			
6	10	12	2/0.1	2-3-4-13		Fill materials including wood fragments with trace fine	FILL	10:39	0.0
						sand, wet, sheen observed on water, no odor			
8	12	14	2/1	5-11-9-10		12-12.5: Same as above	FILL	10:44	0.0
						12.5-14: Gray fine silty SAND, slightly plastic, wet	SAND		0.0
9	14	16	2/1	10-12-15-14		Same as above	SAND	10:52	0.0
10	16	18	2/2	12-2-4-6		Same as above	SAND	11:01	0.0
11	18	20	2/2	3-11-13-15		Same as above	SAND	11:05	0.0
12	20	22	2/2	4-11-10-6		Same as above, gray-brown in color, root fragments	SAND	11:12	0.0

NOTES:

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RAMBOLL

SOIL BORING LOG

BORING ID: LR-MW-05

INSPECTOR: Robert Trent

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	Blows/6"	"N" Value	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
								Time	PID
13	22	24	2/2	11-13-8-2		Same as above with trace clay and root fragments	SAND	11:23	0.0
14	24	26	2/2	1-2-1-3		Gray-brown silty CLAY, soft, wet	CLAY	11:33	0.0

NOTES: End soil boring at 26' bgs. Screen installed from 16-26' bgs.

Syringe found in auger cuttings from below surface.

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RAMBOLL

SOIL BORING LOG

BORING ID: LR-MW-06
GEOLOGIST: Rebecca Britt

PROJECT:	Lyndon Rd Landfill	SITE NAME:	Lyndon Road Landfill	DATE STARTED:	2/24/2023
CLIENT:	NYSDEC	SITE LOC.:	Fairport, NY	DATE COMPLETED:	2/24/2023
JOB #:	1940102910	BORING LOC.:	Western portion of Site	SAMPLE TIME:	10:00

DRILL CONT.:	La Bella	DRILLING METHOD:		NORTHING:	1128319.93
FOREMAN:	Chris Stone	HAMMER / FALL:		EASTING:	1463885.18
RIG TYPE:		SAMPLER TYPE:	Split Spoon	ELEVATION:	462.95 (Ground/NAVD88)
PURPOSE:	MW Install and Sampling	SAMPLER DIAMETER:	2"	DATUM:	Ground

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	Blows/6"	"N" Value	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
								Time	PID
1	0	2	2/0.75	1-3-3-8		0-0.25: Topsoil/grass	TOPSOIL	9:15	0.0
						0.25-2.0: Brown fine SAND with clay, wood fragments,	SAND		0.0
						grass, and other organics			
2	2	4	2/1	4-4-3-5		2-3.5: Light brown fine SAND, minor silt, few fine	SAND	9:20	0.0
						gravel, moist			
						3.5-4: Gray CLAY with silt, moist, plastic, with brick	CLAY w/		0.0
						fragments throughout	FILL		
3	4	6	2/0.1	1-1-1-1		Brown fine SAND with clay, root fibers, wet	SAND	9:30	0.0
4	6	8	2/0.5	3-5-3-2		6-7.5: Brown coarse SAND with fine gravel, brick	SAND	9:38	0.0
						fragments, wet	w/ FILL		
5	8	10	2/1.5	2-3-3-2		Gray to dark gray fine SAND with clay, lenticular	SAND	9:46	0.0
						bedding, wet			
						SOIL: LR-MW06-08-09-022423 2/24/23 10:00			
6	10	12	2/2	2-3-3-3		Same as above	SAND	9:55	0.0
7	12	14	2/1.5	5-9-10-13		Same as above, with light brown fine SAND	SAND	10:03	0.0
8	14	16	2/1.5	14-13-2-9		14-15: Same as above	SAND	10:12	0.0
						15-16: Gray sandy CLAY, dense, wet	CLAY		0.0
9	16	18	2/2	8-6-7-7		Same as above, very wet	CLAY	10:19	0.0
10	18	20	2/2	WOH		Same as above, with trace silt	CLAY	10:42	0.0
11	20	22	2/2	WOH		Same as above	CLAY	10:45	0.0

NOTES: End soil boring at 22' bgs. Screen installed from 12-22' bgs.

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RAMBOLL

SOIL BORING LOG

BORING ID: LR-MW-07
GEOLOGIST: Rebecca Britt

PROJECT:	Lyndon Road Landfill	SITE NAME:	Lyndon Road Landfill	DATE STARTED:	2/27/2023
CLIENT:	NYSDEC	SITE LOC.:	Fairport, NY	DATE COMPLETED:	2/29/2023
JOB #:	1940102910	BORING LOC.:	Behind Ice Rink	SAMPLE TIME:	15:30

DRILL CONT.:	La Bella	DRILLING METHOD:		NORTHING:	1128938.20
FOREMAN:	Chris Stone	HAMMER / FALL:		EASTING:	1464200.75
RIG TYPE:		SAMPLER TYPE:	Split Spoon	ELEVATION:	471.84 (Ground/NAVD88)
PURPOSE:	MW Install and Sampling	SAMPLER DIAMETER:	2"	DATUM:	Ground

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	Blows/6"	"N" Value	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
								Time	PID
1	0	2	2/2	6-13-15-11		0-0.5: Topsoil	Topsoil	10:05	0.0
						0.5-1: Brown fine SAND with fine, round gravel,	SAND		0.0
						some silt, some clay, moist			
						1-2: Fill material consisting of asphalt, concrete,	FILL	10:07	0.0
						brick fragments, flaky plastic, dry			
2	2	4	2/1	6-5-4-3		Brown coarse SAND with coarse sub-angular	SAND	10:08	0.0
						gravel, fine round gravel, and fill materials including	w/ FILL		
						glass, brick, asphalt, and cloth fibers			
3	4	6	2/1	4-4-4-6		Light brown silty SAND with fine sub-angular to sub-	SAND	10:15	0.0
						rounded gravel, minor clay, dry			
4	6	8	2/0.5	7-6-5-3		Same as above with asphalt fragments and coarse	SAND	10:16	0.0
						gravel at 6.5' bgs	w/ FILL		
5	8	10	2/1	1-1-2-2		8-8.25: White coarse SAND, wet	SAND	10:31	0.0
						8.25-8.5: Wood fragment	w/		
						8.5-10: Light brown-tan clayey SAND with wood	WOOD		
						fragments throughout			
6	10	12	2/1.75	5-9-7-5		10-10.5: Light brown clayey SAND with coarse gravel,	SAND	10:36	0.0
						asphalt, plastic pieces, moist	w/ FILL		
						10.5-12: Light brown silty SAND with minor clay, minor			
						fine gravel, dense, moist			
7	12	14	2/2	16-22-24-28		Light brown-gray fine SAND with clay, few sub-round	SAND	10:38	0.0
						fine gravel, very dense, dry			
8	14	16	2/2	11-24-23-38		Gray-brown fine silty SAND with minor clay, few coarse	SAND	11:04	0.0
						gravel, few fine cobbles, dry			

NOTES:

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RAMBOLL

SOIL BORING LOG

BORING ID: LR-MW-07

INSPECTOR: Robert Trent

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	Blows/6"	"N" Value	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
								Time	PID
9	16	18	2/2	43-64-76-35		Light brown silty SAND and medium to coarse sub-	SAND and	11:17	0.0
						angular to sub-rounded GRAVEL, dense, compact, dry	GRAVEL		
10	18	20	2/2	27-26-48-67		Same as above, very dry	SAND and	11:34	0.0
							GRAVEL		
11	20	22	2/0.5	28-100-R-R		20-20.5: Gray rock pulverized by drilling	ROCK	12:00	0.0
						20.5-22: Light brown fine SAND with fine sub-round	SAND		0.0
						gravel, dry			
12	22	24	2/2	15-36-45-52		Light brown fine SAND with silt, few medium to coarse	SAND	12:15	0.0
						gravel, dense, dry			
						SOIL: LR-MW07-22-24-022723 2/27/23 15:30			
13	24	26	2/2	29-30-37-35		Same as above, slightly moist	SAND	14:00	0.0
14	26	28	2/2	50-52-37-54		Gray sandy SILT with fine to coarse gravel, sub-	SILT	14:30	0.0
						rounded to sub-angular gravel, compact, dense, dry			
16	28	30	2/0	NR		No Recovery			
17	30	32	2/2	17-20-25-28		Gray-brown fine clayey SAND with fine sub-rounded	SAND	15:08	0.0
						gravel, minor silt			
18	32	34	2/2	19-15-17-15		Brown-gray silty CLAY, few gravel, very dense, slightly	CLAY	9:26	0.0
						moist			
19	34	36	2/2	22-26-23-24		34-35.5: Brown clayey SAND with fine to coarse gravel,	SAND	9:41	0.0
						dense, moist			
						35.5-36: Brown fine sub-rounded GRAVEL, loosely	GRAVEL		0.0
						consolidated, moist			
20	36	38	2/2	20-27-24-25		Brown sandy fine to medium GRAVEL, few coarse	GRAVEL	10:06	0.0
						gravel, few cobbles, wet			
21	38	40	2/2	25-30-32-35		Same as above, wet	GRAVEL	10:09	0.0

NOTES: End soil boring at 40' bgs. Screen installed 28-38' bgs.

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RAMBOLL

SOIL BORING LOG

BORING ID: LR-MW-08
GEOLOGIST: Rebecca Britt

PROJECT:	Lyndon Road Landfill	SITE NAME:	Lyndon Road Landfill	DATE STARTED:	2/23/2023
CLIENT:	NYSDEC	SITE LOC.:	Fairport, NY	DATE COMPLETED:	2/23/2023
JOB #:	1940102910	BORING LOC.:	Off-site	SAMPLE TIME:	10:55

DRILL CONT.:	La Bella	DRILLING METHOD:		NORTHING:	1128493.54
FOREMAN:	Chris Stone	HAMMER / FALL:		EASTING:	1465506.74
RIG TYPE:		SAMPLER TYPE:	Split Spoon	ELEVATION:	469.45 (Ground/NAVD88)
PURPOSE:	MW Install and Sampling	SAMPLER DIAMETER:	2"	DATUM:	Ground

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	Blows/6"	"N" Value	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
								Time	PID
1	0	2	2/0.3	3-1-1-1		Brown fine to medium SAND with silt. Grass, other	SAND	9:45	0.0
						organics, and ice/snow at top, moist			
2	2	4	2/0.5	1-4-6-3		Brown to light brown fine to medium SAND with	SAND	9:50	0.0
						minor silt and clay, and approx. 5% sub-angular			
						gravel, slightly plastic, moist.			
3	4	6	2/1.5	10 Total		4.0-5.5: Brown sandy SILT, dry to moist and slightly	SILT	10:05	0.0
						plastic			
						5.5-6.0: Large fractured rock pulverized by drilling.	ROCK		-
4	6	8	2/1	6-6-16-9		Olive-brown medium to coarse SAND with fines,	SAND	10:13	0.0
						some medium sub-angular gravel, moist, corsening			
						upwards			
5	8	10	2/1.75	NR		8-9: Same as above. **GW at 8.5' bgs.**	SAND	10:25	0.0
						9-10: Light brown fine to medium SAND with clay	SAND		0.0
						and silt, 10% fine sub-rounded gravel, dense,			
						slightly moist.			
						SOIL: LR-MW08-08-09-022323 2/23/23 10:55			
6	10	12	2/1.5	NR		10-11: Same as above	SAND	11:07	0.0
						11-12: Brown fine to medium SAND with trace silt, sub-	SAND		0.0
						rounded gravel, loose, moist			
7	12	14	2/2	32-57-57-100		12;13: Same as above	SAND	11:12	0.0
						13-14: Brown-gray meidum SAND with fine sub-	SAND		0.0
						rounded gravel, few coarse sub-angular gravel, moist			
						to dry			
8	14	16	2/2	24-26-38-31		Same as above	SAND	11:16	0.0

NOTES: End soil boring at 16' bgs. Screen installed from 6-16' bgs.

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APPENDIX 2
WELL DEVELOPMENT LOGS

Well Development Log

RAMBOLL

Well ID: LR-MW-05
Northing: 0
Easting: 0

Site Name:	Lyndon Road Landfill	Development Method:	Bailing	Field Personnel:	R. Britt, J. Lombardi
Site Location:	Fairport, NY	Equipment Used:	Disposable Bailer	Date:	3/9/2023
Project #:	1940102910	Pump/Controller ID#:	Horiba YSI, FA03152	Weather:	Overcast, 35 *F

Well information:

Installed Depth of Well*:	26	ft. bmp.
Measured Depth of Well*:	26.3	ft. bmp.
Depth to Water*:	10.43	ft. bmp.
ength of Water Column (LWC):	15.87	ft.
Well Diameter:	2.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 2.58681 gal.
Pump Intake Depth*: 21.0 ft. bmp.

Start Purge Time: 10:15

Initial: ***Color*** Light brown ***Odor*** No ***Sheen/Free Product*** No

indicate units

	Elapsed Time *Minutes*	Depth To Water *ft. bmp.*	Tempera-ture *Celsius*	pH *S.I. units*	Conducti-vity *mS/cm*	DO *mg/L*	Turbidity *NTU*	Volume Purged *gallons*
	5	10.43	10.5	6.76	2.157	6.15	36.7	0.5 GAL
1	30	15.85	10.9	7.12	2.132	7.4	0.37	3
2	60	16.33	11.2	6.88	2.198	4.4	70.1	6
3	75	18.61	11.9	6.87	2.216	4.52	80.3	9
4	90	19.6	11.9	6.97	2.205	7.5	>1000	12
5	105	19.92	12	6.91	2.212	5.59	>1000	15

End Purge Time: 1200 **Final Well Depth:** 26.3 ft. bmp. **Total volume purged:** 15 gal.

Final: ***Color*** light brown ***Odor*** None ***Sheen/Free Product*** None

Notes:

Development complete after 5 well volumes or stabilization in 3 consecutive readings (all parameters within ±10% and turbidity below 50 NTU).
Measure all parameters at the beginning of well development, after each well volume, and at the end of well development.

Geologist Signature: Rebecca Britt

Well Development Log

Well ID: LR-MW-06
Northing: 0
Easting: 0

Site Name:	Lyndon Road Landfill	Development Method:	Bailing	Field Personnel:	Rebecca Britt
Site Location:	Fairport, NY	Equipment Used:	Disposable Bailer	Date:	3/9/2023
Project #:	1940102910	Pump/Controller ID#:	Horiba YSI, FA03152	Weather:	sunny 40*F

Well information:

Installed Depth of Well*:	22	ft. bmp.
Measured Depth of Well*:	19.78	ft. bmp.
Depth to Water*:	7.71	ft. bmp.
ength of Water Column (LWC):	12.07	ft.
Well Diameter:	2.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
x Well Casing
__ Protective Casing
__ Other:

Well Volume: 1.96741 gal.
Pump Intake Depth*: 17.0 ft. bmp.

Start Purge Time: 1300

Initial: ***Color*** cloudy, no color ***Odor*** no ***Sheen/Free Product*** no

indicate units

	Elapsed Time *Minutes*	Depth To Water *ft. bmp.*	Tempera-ture *Celsius*	pH *S.I. units*	Conducti-vity *mS/cm*	DO *mg/L*	Turbidity *NTU*	Volume Purged *gallons*
	0	*7.71*	*7.1*	*7.17*	*3.228*	*4.88*	*690*	*0 initial reading*
1	*15*	*15.87*	*10.2*	*7.03*	*1.879*	*16.4*	*>1,000*	*2*
2	*45*	*15.98*	*9.9*	*7.08*	*3.219*	*9*	*>1,000*	*4*
3	*90*	*15.85*	*9.8*	*7.14*	*2.522*	*9.8*	*545.78*	*6*
4	*120*	*15.92*	*8.2*	*7.18*	*2.764*	*2.9*	*492.51*	*8*
5	*150*	*15.84*	*9.6*	*7.05*	*3.381*	*0.43*	*>1,000*	*10*

End Purge Time: 1530 **Final Well Depth:** 23.25 ft. bmp. **Total volume purged:** 10 gal.

Final: ***Color*** Brown ***Odor*** Non ***Sheen/Free Product*** No

Notes:

Development complete after 5 well volumes or stabilization in 3 consecutive readings (all parameters within ±10% and turbidity below 50 NTU).
Measure all parameters at the beginning of well development, after each well volume, and at the end of well development.

Containerized following request of NYSDEC. 2 gallons total containerzed.

Geologist Signature: Rebecca Britt

Well Development Log

RAMBOLL

Well ID: LR-MW-07
Northing: 0
Easting: 0

Site Name:	Lyndon Road Landfill	Development Method:	Bailing	Field Personnel:	JJL
Site Location:	Fairport, NY	Equipment Used:	Disposable Bailer	Date:	3/9/2023
Project #:	1940102910	Pump/Controller ID#:	NA	Weather:	Overcast, 38 F

Well information:

Installed Depth of Well*:	38	ft. bmp.
Measured Depth of Well*:	36.43	ft. bmp.
Depth to Water*:	16.9	ft. bmp.
Length of Water Column (LWC):	19.53	ft.
Well Diameter:	2.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
__ Protective Casing
__ Other:

Well Volume: 3.18339 gal.
Pump Intake Depth*: 33.0 ft. bmp.

Start Purge Time: 15:30

Initial: ***Color*** Clear ***Odor*** None ***Sheen/Free Product*** None

indicate units

Elapsed Time *Minutes*		Depth To Water *ft. bmp.*	Temperature *Celsius*	pH *S.I. units*	Conductivity *mS/cm*	DO *mg/L*	Turbidity *NTU*	Volume Purged *gallons*
15:35 (3/9)	*5*	*16.9*	*8.4*	*7.66*	*1.20*	*16.79*	*46*	*0.0*
15:48 (3/9)	*18*	*32.1*	*9.4*	*8.08*	*1.21*	*1.36*	*OR*	*3.5*
16:17 (3/9)	*47*	*35.19*	*9.6*	*7.91*	*1.32*	*6.37*	*OR*	*7.0*
16:54 (3/9)	*84*	*38.73*	*8.7*	*8.20*	*1.38*	*6.48*	*OR*	*10.5*
		Terminated pumping; pumping resumed on 3/13 at 10:30						
10:30 (3/13)	*0*	*15.33*	*8.2*	*7.36*	*1.97*	*18.53*	*48*	*10.5*
10:50 (3/13)	*20*	*31.42*	*9.6*	*7.64*	*1.89*	*4.45*	*OR*	*14.0*
11:15 (3/13)	*45*	*38.23*	*9.3*	*7.52*	*2.01*	*4.53*	*OR*	*17.5*

End Purge Time: 11:30 **Final Well Depth:** 40.05 ft. bmp. **Total volume purged:** 17.5 gal.

Final: ***Color*** Dark Brown ***Odor*** None ***Sheen/Free Product*** Very small and few clumps

Notes:

Development complete after 5 well volumes or stabilization in 3 consecutive readings (all parameters within ±10% and turbidity below 50 NTU).
Measure all parameters at the beginning of well development, after each well volume, and at the end of well development.

Well development incomplete after 10.5 gallons as remaining water volume insufficient. Continued and completed on 3/13/23.
OR = overrange
10.5 gallon volume repeated to get initial reading on the 3/13/23.
5 well volumes complete (couldn't meet stabilization).

Geologist Signature: Joseph Lombardi

Well Development Log

RAMBOLL

Well ID: LR-MW-08
Northing: 0
Easting: 0

Site Name:	Lyndon Road Landfill	Development Method:	Bailing	Field Personnel:	JJL
Site Location:	Fairport, NY	Equipment Used:	Disposable Bailer	Date:	3/13/2023
Project #:	1940102910	Pump/Controller ID#:	NA	Weather:	Cloudy, 37 F

Well information:

Installed Depth of Well*:	16	ft. bmp.
Measured Depth of Well*:	16.05	ft. bmp.
Depth to Water*:	8.63	ft. bmp.
Length of Water Column (LWC):	7.42	ft.
Well Diameter:	2.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:

X Well Casing
Protective Casing
Other:

Well Volume: 1.20946 gal.
Pump Intake Depth*: 11.0 ft. bmp.

Start Purge Time: 12:00

Initial: ***Color*** Lightly cloudy, brown ***Odor*** None ***Sheen/Free Product*** None

indicate units

Elapsed Time *Minutes*	Depth To Water *ft. bmp.*	Tempera-ture *Celsius*	pH *S.I. units*	Conducti-vity *mS/cm*	DO *mg/L*	Turbidity *NTU*	Volume Purged *gallons*
12:05	8.63	9.4	7.80	1.09	4.53	OR	0.00
12:30	15.90	9.7	7.63	1.22	3.89	OR	1.25
14:00	16.60	9.8	7.55	1.41	3.74	OR	2.50
15:00	18.45	8.0	7.66	0.71	4.73	OR	3.75
16:00	18.52	8.6	7.53	1.32	6.10	OR	5.00
17:00	18.63	8.6	7.83	1.27	7.01	OR	6.25

End Purge Time: 17:10 **Final Well Depth:** 19.01 ft. bmp. **Total volume purged:** 6.25 gal.

Final: ***Color*** Cloudy, Dark Brown ***Odor*** None ***Sheen/Free Product*** None

Notes:

Development complete after 5 well volumes or stabilization in 3 consecutive readings (all parameters within ±10% and turbidity below 50 NTU).
Measure all parameters at the beginning of well development, after each well volume, and at the end of well development.

5 well volumes complete (couldn't meet stabilization).

Geologist Signature: Joseph Lombardi

APPENDIX 3
TEST TRENCH LOGS

RAMBOLL

TEST TRENCH LOG

LOCATION ID: Test Trench - TT-01
INSPECTOR: Rebecca Britt

PROJECT:	Lyndon Road Landfill	SITE NAME:	Lyndon Road Landfill	DATE STARTED:	3/7/2023
CLIENT:	NYSDEC	SITE LOC.:	80 Lyndon Road, Fairport NY	DATE COMPLETED:	3/7/2023
JOB #:	1940102910	SAMPLE ID.:	LR-TT01	SAMPLE TIME:	10:15; 10:30; 11:55

CONTRACTOR:	Nothnagle Drilling, Inc.	NORTHING:	
FOREMAN:		EASTING:	
EQUIPMENT:	Mini Excavator	ELEVATION:	
PURPOSE:	Soil Characterization	DATUM:	Ground Surface

	Start Depth (ft.)	Start Depth (ft.)	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
					PID (ft)	PID (ppm)
	0	2	0-2: Fine brown SAND with minor silt. Fill materials observed at suface and througout: various types of plastics, glass, fabrics, carpet material, cellophane, asphalt, roofing shingles	SAND w/ FILL	Many	0.0
	2	6	2-6: Red-brown SAND with fill materials, same as above	SAND w/ FILL	Many	0.0
			Final dimensions: 2x10x6 deep			

NOTES: Samples collected: LR-TT01-0.0-0.2-030723 at 10:15; LR-TT01-0.2-1.0-030723 at 10:30; LR-TT01-FILL-030723 at 1135; and LR-TT01-05-06-030723 at 11:40

Confidential

TEST TRENCH LOG

LOCATION ID: Test Trench - TT-02
INSPECTOR: Rebecca Britt

PROJECT:	Lyndon Road Landfill	SITE NAME:	Lyndon Road Landfill	DATE STARTED:	3/7/2023
CLIENT:	NYSDEC	SITE LOC.:	80 Lyndon Road, Fairport NY	DATE COMPLETED:	3/7/2023
JOB #:	1940102910	SAMPLE ID.:	LR-TT02	SAMPLE TIME:	See Note Below

CONTRACTOR:	Nothnagle Drilling, Inc.	NORTHING:	
FOREMAN:	Kevin	EASTING:	
EQUIPMENT:	Mini Excavator	ELEVATION:	
PURPOSE:	Soil Characterization	DATUM:	Ground Surface

	Sample Start Depth (ft.)	Sample End Depth (ft.)	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
					PID (ft)	PID (ppm)
	0	0.5	0-0.5: Brown fine to medium SAND, topsoil cover	SAND	Many	0
	0.5	2	0.5-2: Brown fine to medium SAND with trace silt and fill materials: metal fragments, plastics, concrete pieces, cinder blocks, rubber material	SAND w/ FILL	Many	0
	2	4	2-4: Brown fine-medium SAND and FILL consisting of medical waste: blue and red bags, gauze, syringes, and other plastics	SAND w/ FILL	Many	0

NOTES: 1315 encounter medical waste, all work was halted, and excavated contents were placed back in ground
1355 fill in TT. Rope off area. Samples put on hold

LR-0.0-0.2-03072023

LR-0.2-1.0-03072023 MS, MSD, DUP

Confidential

RAMBOLL

TEST TRENCH LOG

LOCATION ID: Test Trench - TT-03
INSPECTOR: Rebecca Britt

PROJECT:	Lyndon Road Landfill	SITE NAME:	Lyndon Road Landfill	DATE STARTED:	3/7/2023
CLIENT:	NYSDEC	SITE LOC.:	80 Lyndon Road, Fairport NY	DATE COMPLETED:	3/7/2023
JOB #:	1940102910	SAMPLE ID.:	LR-TT03	SAMPLE TIME:	15:05; 15:10; 15:15

CONTRACTOR:	Nothnagle Drilling, Inc.	NORTHING:	
FOREMAN:	Kevin	EASTING:	
EQUIPMENT:	Mini Excavator	ELEVATION:	
PURPOSE:	Soil Characterization	DATUM:	Ground Surface

	Sample Start Depth (ft.)	Sample End Depth (ft.)	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
					PID (ft)	PID (ppm)
	0	6	Brown fine to medium SAND with asphalt chunks, few plastic pieces, few cobbles, boulders, concrete pieces, ceramics, brick. Large piece of concrete perpendicular to direction of trench at 1' bgs. Wood and wire at 6' bgs.	SAND w/ FILL	Many	0
			Trench dimensions: 9x2x6' deep			

NOTES: Samples collected: LR-TT03-0.0-0.2-030723 at 15:05; LR-TT03-0.2-1.0-030723 at 15:10; and LR-TT03-05-06-030723 at 15:15

Confidential

TEST TRENCH LOG

LOCATION ID:	Test Trench - TT-04
INSPECTOR:	Rebecca Britt

PROJECT:	Lyndon Road Landfill	SITE NAME:	Lyndon Road Landfill	DATE STARTED:	3/8/2023
CLIENT:	NYSDEC	SITE LOC.:	80 Lyndon Road, Fairport NY	DATE COMPLETED:	3/8/2023
JOB #:	1940102910	SAMPLE ID.:	LR-TT04	SAMPLE TIME:	9:30; 10:30; 11:00

CONTRACTOR:	Nothnagle Drilling, Inc.	NORTHING:	
FOREMAN:	Kevin	EASTING:	
EQUIPMENT:	Mini Excavator	ELEVATION:	
PURPOSE:	Soil Characterization	DATUM:	Ground Surface

	Sample Start Depth (ft.)	Sample End Depth (ft.)	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
					PID (ft)	PID (ppm)
	0	4	0-4: Brown fine to medium SAND with few sub-rounded to round gravel. Fill materials including plastics, cloth, ceramics, tarps, slag glass, and a rail tie. Crushed blue metal drum recovered from 2' bgs. Strong solvent-like odor.	SAND w/ FILL	Many	0.0
	4	7	4-7: Same as above, size of fill increases to larger pieces of plastics, metal parts, wood, sheeting, ink rollers, styrofoam, plastic twine, foam board, large log (approx. 5'x1' diameter) recoved. Portions of a crushed blue metal drum recovered at 4.5' bgs. Strong solvent odor with high PID reading. Red-brown SAND with same fill at 5.0-7.0.	SAND w/ FILL	Many	0.0
			Final dimensions: 8x2x7' deep			

NOTES: Samples collected: LR-TT04-DRUM-03082023 at 10:30; LR-TT04-0.2-1.0-030823 at 11:00; and LR-TT04-02-03-03082023 at 09:30

Additional samples were collected on 3/10/2023 for waste characterization. After these samples were collected, the drum and excavated material around the drum were containerized.

Confidential

TEST TRENCH LOG

LOCATION ID: Test Trench - TT-06
INSPECTOR: Rebecca Britt

PROJECT:	Lyndon Road Landfill	SITE NAME:	Lyndon Road Landfill	DATE STARTED:	3/8/2023
CLIENT:	NYSDEC	SITE LOC.:	80 Lyndon Road, Fairport NY	DATE COMPLETED:	3/8/2023
JOB #:	1940102910	SAMPLE ID.:	LR-TT06	SAMPLE TIME:	12:00; 12:10

CONTRACTOR:	Nothnagle Drilling, Inc.	NORTHING:	
FOREMAN:	Kevin	EASTING:	
EQUIPMENT:	Mini Excavator	ELEVATION:	
PURPOSE:	Soil Characterization	DATUM:	Ground Surface

	Sample Start Depth (ft.)	Sample End Depth (ft.)	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
					PID (ft)	PID (ppm)
	0	0.4	0-0.4: Grass and topsoil	Topsoil	Many	0.0
	0.4	3.5	0.4-3.5: Brown-red brown fine to medium SAND, minor silt and clay, fill materials including metal pipes, cement, cinder blocks, roofing materials, cloth, fiberous matting, wood, bricks, and asphalt. Groundwater encountered at 3.5' bgs.	SAND w/ FILL	Many	0
	3.5	5	3.5-5': Wet. Fill materials remain the same, increase in size. End trench at 5' due to potential for cave in.	SAND w/ FILL	Many	0
			Final dimensions: 8x2x5' deep.			

NOTES: Sample collected: LR-TT06-04-05-030823 at 1200; LR-TT06-0.2-1.0-030823 at 12:10

RAMBOLL

TEST TRENCH LOG

LOCATION ID: Test Trench - TT-07
INSPECTOR: Rebecca Britt

PROJECT:	Lyndon Road Landfill	SITE NAME:	Lyndon Road Landfill	DATE STARTED:	3/7/2023
CLIENT:	NYSDEC	SITE LOC.:	80 Lyndon Road, Fairport NY	DATE COMPLETED:	3/7/2023
JOB #:	1940102910	SAMPLE ID.:	LR-TT07	SAMPLE TIME:	10:00; 11:10

CONTRACTOR:	Nothnagle Drilling, Inc.	NORTHING:	
FOREMAN:	Kevin	EASTING:	
EQUIPMENT:	Mini Excavator	ELEVATION:	
PURPOSE:	Soil Charactarization	DATUM:	Ground Surface

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
					PID (ft)	PID (ppm)
	0	4	0-4: Brown fine to medium SAND with fill including asphalt chunks (up to 7" diameter), rounded cobbles, roots, organics, plastics, tarp material, wood, carpet/ rug fragments, styrofoam, glass, fabrics. Approx. 25% fill material. Moist to dry.	SAND w/ FILL	Many	0.0
	4	6	4-6: Red-brown fine to medium SAND with fill including asphalt chunks, metal parts, rusted metal, garbage bags, rubber products. Fill increases in size and freqeuncy. Bog material (silt/clay lenses) recovered around 6' bgs.	SAND w/ FILL	Many	0.0
			Final dimensions: 8x2x6' deep.			

NOTES: Samples collected: LR-TT07-04-05-03072023 at 10:00 and LR-TT07-0.2-1.0-03072023 at 11:10

Confidential

APPENDIX 4
TEST TRENCH PHOTOLOG

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
1	03/07/2023

LOCATION

Test Trench - 01

DESCRIPTION

The trench primarily consisted of garbage/fill. Materials encountered included various types of plastics, glass, fabrics, carpet material, cellophane, asphalt, organics, and roofing shingles. The dimensions of the trench were 10’ x 2’ X 6’ deep.

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
2	03/07/2023

LOCATION

Test Trench - 01

DESCRIPTION

Materials encountered within the test trench.

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

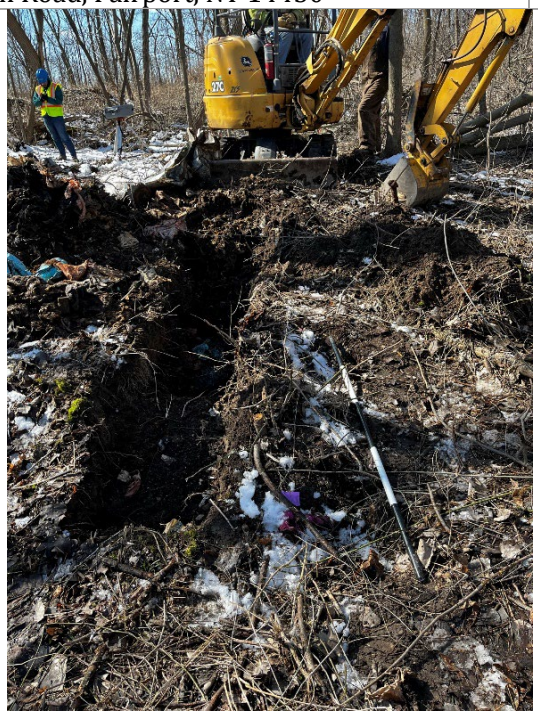
PHOTO NO.	DATE:
3	03/07/2023

LOCATION

Test Trench - 02

DESCRIPTION

Medical waste was encountered at the 2'-4' interval. Trenching activities were halted due to safety risks associated with the medical waste, excavated contents were backfilled, and the trench was covered with surface material.



CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
4	03/07/2023

LOCATION

Test Trench - 02

DESCRIPTION

Medical waste materials encountered included blue and red bags, syringes, and other plastics. Other non-medical waste materials encountered included metal fragments, plastics, concrete pieces, cinder blocks, and rubber material.

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
5	03/07/2023

LOCATION

Test Trench - 03

DESCRIPTION

Trench primarily consisted of granular fill. Additional materials included encountered in the trench included asphalt, concrete pieces, ceramics, brick, wood, wire, and plastic. The dimensions of the trench were 9’ x 2’ x 6’ deep.

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
6	03/07/2023

LOCATION

Test Trench - 03

DESCRIPTION

Plastic and asphalt pieces

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
7	03/08/2023

LOCATION

Test Trench - 04

DESCRIPTION

The trench consisted of granular fill and materials such as plastics, cloth, ceramics, tarp, slag glass, rail tie, metal parts, wood, sheeting, ink rollers, Styrofoam, plastic twine, foam board, and a large log. The dimensions of the trench were 8' x 2' x 7' deep.

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
8	03/08/2023

LOCATION

Test Trench - 04

DESCRIPTION

Partially crushed metal drum found within the trench.

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
9	03/08/2023

LOCATION

Test Trench - 06

DESCRIPTION

The trench primarily consisted of granular fill. Additional materials included metal pipes, matting, cement, cinder blocks, roofing materials, wood, bricks, and asphalt. The dimensions of the trench were 10’ x 2’ x 5’ deep.

Groundwater was encountered between 3-4 feet below grade.

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
10	03/08/2023

LOCATION

Test Trench - 06

DESCRIPTION

Fibrous matting and metal pipe encountered in the trench.

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
11	03/07/2023

LOCATION

Test Trench - 07

DESCRIPTION

The trench primarily consisted of granular fill. Additional materials included plastics, tarp material, wood, carpet/rug fragments, Styrofoam, glass, fabrics, asphalt chunks, rusted metal, garbage bags, and rubber products. The dimensions of the trench were 8’ x 2’ x 6’ deep.

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
12	03/07/2023

LOCATION

Test Trench - 07

DESCRIPTION

Trench materials.

APPENDIX 5
LABORATORY DISTRIBUTION REPORTS

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

199006467

SGS Job Number: JD60806

Sampling Date: 02/23/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: 7

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD60806

Lyndon Road Landfill
Project No: 199006467

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD60806-1	02/23/23	10:55	RB	02/24/23	SO	Soil	LR-MW08-08-09-022323
	JD60806-1A	02/23/23	10:55	RB	02/24/23	SO	Soil	LR-MW08-08-09-022323
*	JD60806-2	02/23/23	13:05	RB	02/24/23	SO	Soil	LR-MW08-0.0-0.2-022323
	JD60806-2A	02/23/23	13:05	RB	02/24/23	SO	Soil	LR-MW08-0.0-0.2-022323
*	JD60806-3	02/23/23	13:25	RB	02/24/23	SO	Soil	LR-MW08-0.2-1.0-022323
	JD60806-3A	02/23/23	13:25	RB	02/24/23	SO	Soil	LR-MW08-0.2-1.0-022323
	JD60806-4	02/23/23	13:40	RB	02/24/23	AQ	Equipment Blank	LR-EB-022323

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

* The following report applies to these samples only (7 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID: LR-MW08-08-09-022323
Lab Sample ID: JD60806-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/23/23
Date Received: 02/24/23
Percent Solids: 88.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P112730.D	1	03/01/23 15:35	KH	03/01/23 13:00	OP44908	E2P5088
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.037	0.025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	40%		10-109%
321-60-8	2-Fluorobiphenyl	39%		11-109%
1718-51-0	Terphenyl-d14	38%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW08-0.0-0.2-022323
Lab Sample ID: JD60806-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/23/23
Date Received: 02/24/23
Percent Solids: 70.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P112734.D	1	03/01/23 16:49	KH	03/01/23 13:00	OP44908	E2P5088
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.046	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	34%		10-109%
321-60-8	2-Fluorobiphenyl	32%		11-109%
1718-51-0	Terphenyl-d14	25%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW08-0.2-1.0-022323
Lab Sample ID: JD60806-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/23/23
Date Received: 02/24/23
Percent Solids: 72.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P112733.D	1	03/01/23 16:30	KH	03/01/23 13:00	OP44908	E2P5088
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.045	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	42%		10-109%
321-60-8	2-Fluorobiphenyl	40%		11-109%
1718-51-0	Terphenyl-d14	35%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

JD60806

Page 1 of 1

SO
FB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking # 5894-7371-7188 | Bottle Order Control # MM-022023-9 | SGS Quote # | SGS Job # MM-022023-9

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W Washington St
City / State / Zip: Syracuse NY 13202
Project Contact / E-mail: Robert.Trent@Ramboll.com
Phone #:
Sampler(s) Name(s) / Phone #: R.Britt 585-747-7650

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Rd
City / State: Fairport NY
Project # 1940102.0467 (1940102.0110)
Client Purchase Order #
Project Manager: Robert Trent

Billing Information (if different from Report to)
Company Name: Ramboll
Street Address: 333 W. Washington St
City / State / Zip: Sryacuse NY 13202
Attention: Accounts Payable

Requested Analysis

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	B8260 14Dioxan, SOL 104	LC1CH233LIST40, SOL104	LC1CH233LIST40	LAB USE ONLY
1	LR-MW08-08-19-022323		2/23/23	1055	RB	C	N	SO	3					X				1 2				SUB
2	LR-MW08-0.0-0.2-022323		2/23/23	1305	RB	C	N	SO	3					X				1 2				BD
3	LR-MW08-0.2-1.0-022323		2/23/23	1325	RB	C	N	SO	3					X				1 2				
4	LR-EB-022323		2/23/23	1340	RB	C	N	~~SOB~~ SO (KB)	3					X						3		

RB 2/23/23 | RB 2/23/23 | RB 2/23/23 | RB 2/23/23 | KB 2/23/23

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Labline

Initial Assessment AJA(2/24)
Label Verification

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format NYSDEC Valid values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Custody Seals: 05442 (PFAS) and 05440 (1,4Dioxane)

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	2/23/23 1700	Fedex	2 Fedex	2/24/23 1000	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: / On Ice / See Sample Receipt Summary — Cooler Temp. °C 4.4

IR-40

SGS Sample Receipt Summary

Job Number: JD60806 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL

Date / Time Received: 2/24/2023 10:00:00 AM **Delivery Method:** FED EX **Airbill #'s:** 5894 7371 2188

Cooler Temps (Raw Measured) °C: Cooler 1: (4.4);

Cooler Temps (Corrected) °C: Cooler 1: (4.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

199006467

SGS Job Number: JD60906

Sampling Date: 02/24/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **18**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD60906

Lyndon Road Landfill
Project No: 199006467

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD60906-1	02/24/23	10:00	RB	02/25/23	SO	Soil	LR-MW06-08-09-022423
	JD60906-1A	02/24/23	10:00	RB	02/25/23	SO	Soil	LR-MW06-08-09-022423
*	JD60906-2	02/24/23	11:20	RB	02/25/23	SO	Soil	LR-MW06-0.0-0.2-022423
	JD60906-2A	02/24/23	11:20	RB	02/25/23	SO	Soil	LR-MW06-0.0-0.2-022423
*	JD60906-3	02/24/23	12:20	RB	02/25/23	SO	Soil	LR-MW06-0.2-1.0-022423
	JD60906-3A	02/24/23	12:20	RB	02/25/23	SO	Soil	LR-MW06-0.2-1.0-022423
*	JD60906-3D	02/24/23	12:20	RB	02/25/23	SO	Soil Dup/MSD	LR-MW06-0.2-1.0-022423_MSD
	JD60906-3DA	02/24/23	12:20	RB	02/25/23	SO	Soil Dup/MSD	LR-MW06-0.2-1.0-022423_MSD
*	JD60906-3S	02/24/23	12:20	RB	02/25/23	SO	Soil Matrix Spike	LR-MW06-0.2-1.0-022423_MS
	JD60906-3SA	02/24/23	12:20	RB	02/25/23	SO	Soil Matrix Spike	LR-MW06-0.2-1.0-022423_MS
	JD60906-4	02/24/23	13:30	RB	02/25/23	AQ	Equipment Blank	LR-EB-022423
*	JD60906-5	02/24/23	13:30	RB	02/25/23	AQ	Trip Blank Soil	LR-TB-022423

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

* ~~The following report applies to these samples only (7 day TAT).~~

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID: LR-MW06-08-09-022423
Lab Sample ID: JD60906-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 73.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR567.D	1	03/01/23 19:08	JY	03/01/23 13:00	OP44940	ECR24
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.044	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	53%		10-109%
321-60-8	2-Fluorobiphenyl	56%		11-109%
1718-51-0	Terphenyl-d14	65%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-0.0-0.2-022423
Lab Sample ID: JD60906-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 74.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR574.D	1	03/01/23 21:20	JY	03/01/23 13:00	OP44940	ECR24
Run #2							

	Initial Weight	Final Volume
Run #1	32.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.041	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	51%		10-109%
321-60-8	2-Fluorobiphenyl	50%		11-109%
1718-51-0	Terphenyl-d14	60%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8260D	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C182049.D	1	03/03/23 14:44	CL	n/a	n/a	V3C7968
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.011	0.0045	mg/kg	
71-43-2	Benzene	ND	0.00055	0.00050	mg/kg	
74-97-5	Bromochloromethane	ND	0.0055	0.00061	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	0.00047	mg/kg	
75-25-2	Bromoform	ND	0.0055	0.0015	mg/kg	
74-83-9	Bromomethane	ND	0.0055	0.00083	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0027	mg/kg	
75-15-0	Carbon disulfide	ND	0.0022	0.00058	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	0.00067	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	0.00050	mg/kg	
75-00-3	Chloroethane	ND	0.0055	0.00065	mg/kg	
67-66-3	Chloroform	ND	0.0022	0.00057	mg/kg	
74-87-3	Chloromethane	ND	0.0055	0.0021	mg/kg	
110-82-7	Cyclohexane	ND	0.0022	0.00072	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0022	0.00076	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0022	0.00061	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00046	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00060	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00054	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00054	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0055	0.00079	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00054	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00051	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00072	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00092	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00067	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0022	0.00052	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	0.00052	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	0.00050	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00049	mg/kg	
76-13-1	Freon 113	ND	0.0055	0.0029	mg/kg	
591-78-6	2-Hexanone	ND	0.0055	0.0023	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8260D	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0022	0.0016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0055	0.0015	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0022	0.00096	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00051	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0055	0.0025	mg/kg	
75-09-2	Methylene chloride	ND	0.0055	0.0028	mg/kg	
100-42-5	Styrene	ND	0.0022	0.00044	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0022	0.00065	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	0.00063	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00057	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0055	0.0027	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0055	0.0027	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	0.00053	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	0.00060	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00083	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0055	0.00075	mg/kg	
75-01-4	Vinyl chloride	ND	0.0022	0.00053	mg/kg	
	m,p-Xylene	ND	0.0011	0.00098	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00050	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00050	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-124%
17060-07-0	1,2-Dichloroethane-D4	100%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	95%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-0.2-1.0-022423
Lab Sample ID: JD60906-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 84.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CR578.D	5	03/01/23 22:35	JY	03/01/23 13:00	OP44940	ECR24
Run #2							

	Initial Weight	Final Volume
Run #1	31.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.37	0.091	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.92	0.11	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.92	0.16	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.92	0.33	mg/kg	
51-28-5	2,4-Dinitrophenol [b]	ND	0.92	0.69	mg/kg	
534-52-1	4,6-Dinitro-o-cresol [b]	ND	0.92	0.20	mg/kg	
95-48-7	2-Methylphenol	ND	0.37	0.12	mg/kg	
	3&4-Methylphenol	ND	0.37	0.15	mg/kg	
88-75-5	2-Nitrophenol [b]	ND	0.92	0.12	mg/kg	
100-02-7	4-Nitrophenol	ND	1.8	0.49	mg/kg	
87-86-5	Pentachlorophenol	ND	0.74	0.17	mg/kg	
108-95-2	Phenol	ND	0.37	0.096	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.92	0.12	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.92	0.14	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.92	0.11	mg/kg	
83-32-9	Acenaphthene	ND	0.18	0.064	mg/kg	
208-96-8	Acenaphthylene	ND	0.18	0.094	mg/kg	
98-86-2	Acetophenone	ND	0.92	0.040	mg/kg	
120-12-7	Anthracene	ND	0.18	0.11	mg/kg	
1912-24-9	Atrazine	ND	0.37	0.079	mg/kg	
56-55-3	Benzo(a)anthracene	0.0968	0.18	0.052	mg/kg	J
50-32-8	Benzo(a)pyrene	0.117	0.18	0.084	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.139	0.18	0.082	mg/kg	J
191-24-2	Benzo(g,h,i)perylene	0.118	0.18	0.092	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.18	0.086	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.37	0.071	mg/kg	
85-68-7	Butyl benzyl phthalate [b]	ND	0.37	0.045	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.37	0.025	mg/kg	
100-52-7	Benzaldehyde	ND	0.92	0.046	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.37	0.044	mg/kg	
106-47-8	4-Chloroaniline	ND	0.92	0.067	mg/kg	
86-74-8	Carbazole	ND	0.37	0.027	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-0.2-1.0-022423
Lab Sample ID: JD60906-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 84.8

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.37	0.073	mg/kg	
218-01-9	Chrysene	0.0907	0.18	0.058	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.37	0.040	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.37	0.080	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.37	0.066	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.37	0.060	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.18	0.057	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.18	0.093	mg/kg	
91-94-1	3,3'-Dichlorobenzidine [b]	ND	0.37	0.15	mg/kg	
123-91-1	1,4-Dioxane	ND	0.18	0.12	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.18	0.082	mg/kg	
132-64-9	Dibenzofuran	ND	0.37	0.075	mg/kg	
84-74-2	Di-n-butyl phthalate [b]	ND	0.37	0.030	mg/kg	
117-84-0	Di-n-octyl phthalate [b]	ND	0.37	0.046	mg/kg	
84-66-2	Diethyl phthalate	ND	0.37	0.039	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.37	0.033	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND	0.37	0.043	mg/kg	
206-44-0	Fluoranthene	0.151	0.18	0.082	mg/kg	J
86-73-7	Fluorene	ND	0.18	0.085	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.37	0.047	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.18	0.074	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.8	0.074	mg/kg	
67-72-1	Hexachloroethane	ND	0.92	0.091	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0916	0.18	0.087	mg/kg	J
78-59-1	Isophorone	ND	0.37	0.040	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.18	0.042	mg/kg	
88-74-4	2-Nitroaniline [b]	ND	0.92	0.044	mg/kg	
99-09-2	3-Nitroaniline	ND	0.92	0.046	mg/kg	
100-01-6	4-Nitroaniline [b]	ND	0.92	0.048	mg/kg	
91-20-3	Naphthalene	ND	0.18	0.052	mg/kg	
98-95-3	Nitrobenzene	ND	0.37	0.071	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.37	0.053	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.92	0.068	mg/kg	
85-01-8	Phenanthrene	0.0963	0.18	0.062	mg/kg	J
129-00-0	Pyrene	0.155	0.18	0.059	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.92	0.047	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		10-96%
118-79-6	2,4,6-Tribromophenol	63%		10-123%
4165-60-0	Nitrobenzene-d5	62%		10-109%
321-60-8	2-Fluorobiphenyl	62%		11-109%
1718-51-0	Terphenyl-d14	71%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	2.88	.83	mg/kg	J
	System artifact	3.31	.76	mg/kg	J
	Dibenzopyrene	9.34	1.5	mg/kg	J
	Dibenzopyrene	9.54	1.6	mg/kg	J
	Dibenzopyrene	10.55	.84	mg/kg	J
	Unknown	10.68	.86	mg/kg	J
	Total TIC, Semi-Volatile		4.8	mg/kg	J

(a) Dilution required due to viscosity of the extract matrix.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OA165228.D	10	02/28/23 23:19	RK	02/28/23 11:00	OP44941	GOA5837
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.18	0.098	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.036	0.020	mg/kg	
93-76-5	2,4,5-T	ND	0.036	0.018	mg/kg	
75-99-0	Dalapon	ND	0.036	0.022	mg/kg	
1918-00-9	Dicamba	ND	0.036	0.019	mg/kg	
120-36-5	Dichloroprop	ND	0.18	0.098	mg/kg	
88-85-7	Dinoseb	ND	0.18	0.11	mg/kg	
94-74-6	MCPA	ND	18	10	mg/kg	
93-65-2	MCPP	ND	18	15	mg/kg	
87-86-5	Pentachlorophenol	ND	0.018	0.0059	mg/kg	
94-82-6	2,4-DB	ND	0.18	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	5% [b]		10-138%
19719-28-9	2,4-DCAA	5% [b]		10-138%

(a) Dilution required due to viscosity of the extract matrix.
(b) Outside control limits due to matrix interference and dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-0.2-1.0-022423
Lab Sample ID: JD60906-3
Matrix: SO - Soil
Method: SW846 8081B SW846 3570
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 84.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G46616.D	1	03/02/23 05:05	RK	02/28/23 16:00	OP44937	G8G2023
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00023	0.000091	mg/kg	
319-84-6	alpha-BHC	ND	0.00023	0.000054	mg/kg	
319-85-7	beta-BHC	ND	0.00023	0.000068	mg/kg	
319-86-8	delta-BHC	ND	0.00023	0.000070	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00023	0.000082	mg/kg	
5103-71-9	alpha-Chlordane	0.00089	0.00023	0.000063	mg/kg	
5103-74-2	gamma-Chlordane	0.00081	0.00023	0.000070	mg/kg	
60-57-1	Dieldrin	0.00053	0.00023	0.000075	mg/kg	
72-54-8	4,4'-DDD [a]	0.00035	0.00023	0.000049	mg/kg	
72-55-9	4,4'-DDE	0.00081	0.00023	0.000056	mg/kg	
50-29-3	4,4'-DDT	0.0016	0.00023	0.000082	mg/kg	
72-20-8	Endrin	ND	0.00023	0.000068	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00023	0.000056	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00023	0.00014	mg/kg	
959-98-8	Endosulfan-I	ND	0.00023	0.000063	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00023	0.000065	mg/kg	
76-44-8	Heptachlor	ND	0.00023	0.000061	mg/kg	
1024-57-3	Heptachlor epoxide	0.00041	0.00023	0.000084	mg/kg	
72-43-5	Methoxychlor	ND	0.00047	0.00018	mg/kg	
53494-70-5	Endrin ketone	ND	0.00023	0.000075	mg/kg	
8001-35-2	Toxaphene	ND	0.0058	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		50-150%
877-09-8	Tetrachloro-m-xylene	91%		50-150%
2051-24-3	Decachlorobiphenyl	67%		50-150%
2051-24-3	Decachlorobiphenyl	86%		50-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-0.2-1.0-022423
Lab Sample ID: JD60906-3
Matrix: SO - Soil
Method: SW846 8082A SW846 3570
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 84.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM4701.D	1	03/03/23 10:39	RK	02/28/23 16:00	OP44938	GRM126
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.012	0.0022	mg/kg	
11104-28-2	Aroclor 1221	ND	0.012	0.0031	mg/kg	
11141-16-5	Aroclor 1232	ND	0.012	0.0030	mg/kg	
53469-21-9	Aroclor 1242	ND	0.012	0.0023	mg/kg	
12672-29-6	Aroclor 1248	ND	0.012	0.0051	mg/kg	
11097-69-1	Aroclor 1254	ND	0.012	0.0019	mg/kg	
11096-82-5	Aroclor 1260	0.0079	0.012	0.0035	mg/kg	J
11100-14-4	Aroclor 1268	ND	0.012	0.0025	mg/kg	
37324-23-5	Aroclor 1262	ND	0.012	0.0037	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%		50-150%
877-09-8	Tetrachloro-m-xylene	114%		50-150%
2051-24-3	Decachlorobiphenyl	98%		50-150%
2051-24-3	Decachlorobiphenyl	118%		50-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-0.2-1.0-022423
Lab Sample ID: JD60906-3
Matrix: SO - Soil
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 84.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6380	62	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.5	2.5	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.3	2.5	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	79.2	25	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.41	0.25	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.62	0.62	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	35500	1200	mg/kg	2	02/28/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	9.4	1.2	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.2	6.2	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	13.5	3.1	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	11500	62	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	446	2.5	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	11000	620	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	363	1.9	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.055	0.038	mg/kg	1	02/27/23	02/28/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.8	5.0	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	0.81	0.62	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	14.4	6.2	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	130	6.2	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA53795
(2) Instrument QC Batch: MA53814
(3) Prep QC Batch: MP38086
(4) Prep QC Batch: MP38100

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
		Percent Solids:	84.8
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.36	0.26	mg/kg	1	02/28/23 12:35	MM	SW846 9012B/LACHAT
Solids, Percent	84.8		%	1	02/27/23 13:29	MP	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TB-022423		
Lab Sample ID:	JD60906-5	**Date Sampled:**	02/24/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	02/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2U54555.D	1	03/22/23 20:42	NW	n/a	n/a	V2U2135
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [c]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [b]	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TB-022423		
Lab Sample ID:	JD60906-5	**Date Sampled:**	02/24/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	02/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [c]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.96	5	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Sample analyzed outside the holding time.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SO
SVL
EB, TB

SGS CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: JD 60906
SGS Quote #:
SGS Job #: MM-022302-9

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 N. Washington St
City / State / Zip: Syracuse NY
Project Contact / E-mail: Robert.Trent@Ramboll.com
Phone #:
Sampler(s) Name(s) / Phone #: R.Britt (585)747-7650

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Road
City / State: Fairport NY
Project #: 1940006467
Client Purchase Order #:
Project Manager: Robert Trent

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis

8270140DIOXAN, SOL104
LCID1633LIST40, SOL114
LCID1633LIST40
VOC260TCL204, SOL104
ABN25TCL20, PIBE, PEST, PCB, HERB, 1,4-DIOXANE, TICs, SOL104
8270TCL204
EB KB
TB

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-MW06-08-09-022323		2/24/23	1000	RB	C	N	SO	3					3				1 2	
2	LR-MW06-00-0.2-022323		2/24/23	1120	RB	C	N	SO	3					3				1 2	B13
	LR-MW06-0.2-1.0-022323		2/24/23	1220	RB	C	N	SO	9					6	2	1		1 2 5 1	669 TI
3	LR-MW06-0.2-1.0-022323_MS		2/24/23	1220	RB	C	N	SO	9					6	2	1		1 2 5 1	SUD
	LR-MW06-0.2-1.0-022323_MSD		2/24/23	1220	RB	C	N	SO	9					6	2	1		1 2 5 1	
4	LR-EB-022423		2/24/23	1330	RB	C	N	~~SO~~ WT	3					3				3	
5	LR-TB-022423		2/24/23	0800	RB	C	N	TB	2	2								2	

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

NB3A

~~Data Verification~~

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC Valid Values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

COC Seals OS438 and OS430

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	2/24/23 1645	FedEx	2 FedEx 2/25 920		2
Relinquished by: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished by: 5	Date / Time:	Received By: 5	Custody Seal #	Intact / Not Intact / Absent	Therm ID: On Ice / See Sample Receipt Summary; Cooler Temp. °C: 2.5, 2.9°

IR40

SGS Sample Receipt Summary

Job Number: JD60906 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL

Date / Time Received: 2/25/2023 9:20:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.5); Cooler 2: (2.9);

Cooler Temps (Corrected) °C: Cooler 1: (2.5); Cooler 2: (2.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940006467

SGS Job Number: JD60984

Sampling Date: 02/27/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: 32

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD60984

Lyndon Road Landfill
Project No: 1940006467

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD60984-1	02/27/23	10:00	BH	02/28/23	SO	Soil	LR-MW07-0.0-0.5-022723
*	JD60984-2	02/27/23	10:00	BH	02/28/23	SO	Soil	LR-MW07-0.0-0.2-022723
	JD60984-2A	02/27/23	10:00	BH	02/28/23	SO	Soil	LR-MW07-0.0-0.2-022723
*	JD60984-3	02/27/23	10:00	BH	02/28/23	SO	Soil	LR-MW07-0.2-1.0-022723
	JD60984-3A	02/27/23	10:00	BH	02/28/23	SO	Soil	LR-MW07-0.2-1.0-022723
*	JD60984-4	02/27/23	14:00	BH	02/28/23	SO	Soil	LR-MW-05-0.0-0.2-022723
	JD60984-4A	02/27/23	14:00	BH	02/28/23	SO	Soil	LR-MW-05-0.0-0.2-022723
*	JD60984-5	02/27/23	14:20	BH	02/28/23	SO	Soil	LR-MW-05-0.2-1.0-022723
	JD60984-5A	02/27/23	14:20	BH	02/28/23	SO	Soil	LR-MW-05-0.2-1.0-022723
*	JD60984-6	02/27/23	00:00	BH	02/28/23	SO	Soil	DUP-022723
	JD60984-6A	02/27/23	00:00	BH	02/28/23	SO	Soil	DUP-022723
	JD60984-7	02/27/23	15:50	BH	02/28/23	AQ	Equipment Blank	LR-EB-022723

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD60984

Lyndon Road Landfill
Project No: 1940006467

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD60984-8	02/27/23	15:50	BH	02/28/23	AQ	Trip Blank Soil	TB-022723
*	JD60984-9	02/27/23	15:30		02/28/23	SO	Soil	LR-MW-07-22-24-022723
	JD60984-9A	02/27/23	15:30		02/28/23	SO	Soil	LR-MW-07-22-24-022723

* The following report applies to these samples only (7 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.5-022723		
Lab Sample ID:	JD60984-1	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	81.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I249013.D	1	03/03/23 21:20	CL	n/a	n/a	VI10106
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0174	0.013	0.0054	mg/kg	
71-43-2	Benzene	ND	0.00066	0.00060	mg/kg	
74-97-5	Bromochloromethane	ND	0.0066	0.00073	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0026	0.00056	mg/kg	
75-25-2	Bromoform	ND	0.0066	0.0018	mg/kg	
74-83-9	Bromomethane	ND	0.0066	0.0010	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.013	0.0032	mg/kg	
75-15-0	Carbon disulfide	ND	0.0026	0.00070	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0026	0.00081	mg/kg	
108-90-7	Chlorobenzene	ND	0.0026	0.00060	mg/kg	
75-00-3	Chloroethane	ND	0.0066	0.00077	mg/kg	
67-66-3	Chloroform	ND	0.0026	0.00068	mg/kg	
74-87-3	Chloromethane	ND	0.0066	0.0026	mg/kg	
110-82-7	Cyclohexane	ND	0.0026	0.00086	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0026	0.00091	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0026	0.00073	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0013	0.00055	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0013	0.00072	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0013	0.00065	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0013	0.00065	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0066	0.00095	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0013	0.00065	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0013	0.00062	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0013	0.00086	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0013	0.0011	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0013	0.00080	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0026	0.00062	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0026	0.00062	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0026	0.00060	mg/kg	
100-41-4	Ethylbenzene	ND	0.0013	0.00059	mg/kg	
76-13-1	Freon 113	ND	0.0066	0.0035	mg/kg	
591-78-6	2-Hexanone [a]	ND	0.0066	0.0028	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.5-022723		
Lab Sample ID:	JD60984-1	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	81.2
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0026	0.0019	mg/kg	
79-20-9	Methyl Acetate	0.0268	0.0066	0.0018	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0026	0.0011	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0013	0.00061	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	0.0066	0.0030	mg/kg	
75-09-2	Methylene chloride	ND	0.0066	0.0034	mg/kg	
100-42-5	Styrene [a]	ND	0.0026	0.00053	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0026	0.00078	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0026	0.00076	mg/kg	
108-88-3	Toluene	ND	0.0013	0.00069	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0066	0.0033	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0066	0.0033	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0026	0.00063	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0026	0.00073	mg/kg	
79-01-6	Trichloroethene	ND	0.0013	0.0010	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0066	0.00090	mg/kg	
75-01-4	Vinyl chloride	ND	0.0026	0.00063	mg/kg	
	m,p-Xylene	ND	0.0013	0.0012	mg/kg	
95-47-6	o-Xylene	ND	0.0013	0.00060	mg/kg	
1330-20-7	Xylene (total)	ND	0.0013	0.00060	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-124%
17060-07-0	1,2-Dichloroethane-D4	108%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	96%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
2153-66-4	Santolina triene	8.26	.009	mg/kg	JN
	Total TIC, Volatile		.009	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-0.0-0.2-022723
Lab Sample ID: JD60984-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 75.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P509060.D	1	03/01/23 22:28	HL	03/01/23 13:00	OP44956	E6P3845
Run #2							

	Initial Weight	Final Volume
Run #1	31.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.083	0.021	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.035	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.074	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.21	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.21	0.044	mg/kg	
95-48-7	2-Methylphenol	ND	0.083	0.027	mg/kg	
	3&4-Methylphenol	ND	0.083	0.034	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.027	mg/kg	
100-02-7	4-Nitrophenol	ND	0.42	0.11	mg/kg	
87-86-5	Pentachlorophenol [a]	ND	0.17	0.039	mg/kg	
108-95-2	Phenol	ND	0.083	0.022	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.028	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.025	mg/kg	
83-32-9	Acenaphthene	ND	0.042	0.014	mg/kg	
208-96-8	Acenaphthylene	ND	0.042	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0089	mg/kg	
120-12-7	Anthracene	ND	0.042	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.083	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	0.0844	0.042	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.108	0.042	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.134	0.042	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0770	0.042	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0572	0.042	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.083	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.083	0.010	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.083	0.0057	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.083	0.0099	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.015	mg/kg	
86-74-8	Carbazole	0.0133	0.083	0.0060	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-0.0-0.2-022723
Lab Sample ID: JD60984-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 75.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.083	0.016	mg/kg	
218-01-9	Chrysene	0.0980	0.042	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.083	0.0089	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.083	0.018	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.083	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.083	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.042	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.042	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.083	0.035	mg/kg	
123-91-1	1,4-Dioxane	ND	0.042	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0257	0.042	0.018	mg/kg	J
132-64-9	Dibenzofuran	ND	0.083	0.017	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.083	0.0068	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.083	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.083	0.0088	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.083	0.0074	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.083	0.0097	mg/kg	
206-44-0	Fluoranthene	0.158	0.042	0.019	mg/kg	
86-73-7	Fluorene	ND	0.042	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.083	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.042	0.017	mg/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	0.42	0.017	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0745	0.042	0.019	mg/kg	
78-59-1	Isophorone	ND	0.083	0.0089	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.042	0.0094	mg/kg	
88-74-4	2-Nitroaniline [b]	ND	0.21	0.0098	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.21	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.042	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.083	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine [b]	ND	0.083	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.015	mg/kg	
85-01-8	Phenanthrene	0.0691	0.042	0.014	mg/kg	
129-00-0	Pyrene	0.132	0.042	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	58%		10-96%
118-79-6	2,4,6-Tribromophenol	62%		10-123%
4165-60-0	Nitrobenzene-d5	62%		10-109%
321-60-8	2-Fluorobiphenyl	58%		11-109%
1718-51-0	Terphenyl-d14	59%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	4.06	.29	mg/kg	J
	Unknown	4.33	.44	mg/kg	J
	Unknown	7.94	.21	mg/kg	J
	Unknown	8.95	.21	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.05	.52	mg/kg	JN
	Unknown	9.30	.22	mg/kg	J
	Unknown	9.99	.65	mg/kg	J
	Unknown	10.07	.21	mg/kg	J
	Unknown acid	12.37	.24	mg/kg	J
	Unknown	13.02	.31	mg/kg	J
	Unknown acid	13.37	.3	mg/kg	J
	Alkane	13.96	.37	mg/kg	J
	Unknown	13.99	.53	mg/kg	J
	Unknown	14.61	.44	mg/kg	J
	Alkane	14.84	1	mg/kg	J
	Unknown	14.88	.29	mg/kg	J
59-02-9	Vitamin E	15.01	.2	mg/kg	JN
	Unknown	15.47	.4	mg/kg	J
	Unknown	15.65	.29	mg/kg	J
	Alkane	15.70	.21	mg/kg	J
	Unknown	15.77	.24	mg/kg	J
	Sitosterol	15.95	.55	mg/kg	J
	Unknown	16.48	.3	mg/kg	J
	Unknown	16.66	.39	mg/kg	J
	Unknown	16.95	.32	mg/kg	J
	Total TIC, Semi-Volatile		9.13	mg/kg	J

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-0.0-0.2-022723
Lab Sample ID: JD60984-2
Matrix: SO - Soil
Method: SW846 8151A SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 75.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G3920.D	1	03/03/23 16:19	MLC	03/01/23 09:45	OP44957	G9G211
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.021	0.011	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0042	0.0024	mg/kg	
93-76-5	2,4,5-T	ND	0.0042	0.0021	mg/kg	
75-99-0	Dalapon	ND	0.0042	0.0026	mg/kg	
1918-00-9	Dicamba	ND	0.0042	0.0022	mg/kg	
120-36-5	Dichloroprop	ND	0.021	0.011	mg/kg	
88-85-7	Dinoseb	ND	0.021	0.013	mg/kg	
94-74-6	MCPA	ND	2.1	1.2	mg/kg	
93-65-2	MCPP	ND	2.1	1.8	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0021	0.00068	mg/kg	
94-82-6	2,4-DB	ND	0.021	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	22%		10-138%
19719-28-9	2,4-DCAA	21%		10-138%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183284.D	1	03/11/23 02:37	RK	03/10/23 09:30	OP45112	G1G6409
Run #2							

	Initial Weight	Final Volume
Run #1	16.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00080	0.00066	mg/kg	
319-84-6	alpha-BHC	ND	0.00080	0.00065	mg/kg	
319-85-7	beta-BHC	ND	0.00080	0.00072	mg/kg	
319-86-8	delta-BHC [a]	ND	0.00080	0.00077	mg/kg	
58-89-9	gamma-BHC (Lindane)	0.0022	0.00080	0.00059	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00080	0.00065	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00080	0.00036	mg/kg	
60-57-1	Dieldrin [b]	0.00089	0.00080	0.00055	mg/kg	
72-54-8	4,4'-DDD	ND	0.00080	0.00073	mg/kg	
72-55-9	4,4'-DDE	ND	0.00080	0.00070	mg/kg	
50-29-3	4,4'-DDT [b]	0.0012	0.00080	0.00071	mg/kg	
72-20-8	Endrin	ND	0.00080	0.00062	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00080	0.00063	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00080	0.00045	mg/kg	
959-98-8	Endosulfan-I	ND	0.00080	0.00046	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00080	0.00050	mg/kg	
76-44-8	Heptachlor	ND	0.00080	0.00069	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00080	0.00056	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00064	mg/kg	
53494-70-5	Endrin ketone [a]	ND	0.00080	0.00058	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		13-162%
877-09-8	Tetrachloro-m-xylene	121%		13-162%
2051-24-3	Decachlorobiphenyl	85%		10-180%
2051-24-3	Decachlorobiphenyl	155%		10-180%

(a) Associated CCV outside of control limits high, sample was ND.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-0.0-0.2-022723
Lab Sample ID: JD60984-2
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 75.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2497998.D	1	03/02/23 09:11	CP	03/01/23 09:45	OP44959	GXX8097
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.041	0.019	mg/kg	
11104-28-2	Aroclor 1221	ND	0.041	0.025	mg/kg	
11141-16-5	Aroclor 1232	ND	0.041	0.026	mg/kg	
53469-21-9	Aroclor 1242	ND	0.041	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.041	0.037	mg/kg	
11097-69-1	Aroclor 1254	ND	0.041	0.022	mg/kg	
11096-82-5	Aroclor 1260	ND	0.041	0.017	mg/kg	
11100-14-4	Aroclor 1268	ND	0.041	0.017	mg/kg	
37324-23-5	Aroclor 1262	ND	0.041	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		10-174%
877-09-8	Tetrachloro-m-xylene	58%		10-174%
2051-24-3	Decachlorobiphenyl	75%		10-195%
2051-24-3	Decachlorobiphenyl	85%		10-195%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
		Percent Solids:	75.7
Project:	Lyndon Road Landfill		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4140	64	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.6	2.6	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	< 2.6	2.6	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	27.0	26	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	< 0.26	0.26	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.64	0.64	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	70500	3200	mg/kg	5	03/01/23	03/07/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	9.7	1.3	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 6.4	6.4	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	10.8	3.2	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	9090	64	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	27.6	2.6	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	31600	640	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	327	1.9	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.040	0.040	mg/kg	1	03/01/23	03/02/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	6.8	5.1	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1300	1300	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.6	2.6	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.64	0.64	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1300	1300	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.3	1.3	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	9.8	6.4	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	83.9	6.4	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53809
(2) Instrument QC Batch: MA53819
(3) Instrument QC Batch: MA53829
(4) Prep QC Batch: MP38111
(5) Prep QC Batch: MP38140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
		Percent Solids:	75.7
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.50	0.30	mg/kg	1	03/01/23 15:10	MM	SW846 9012B/LACHAT
Solids, Percent	75.7		%	1	03/01/23 11:50	RP	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW07-0.2-1.0-022723		
Lab Sample ID:	JD60984-3	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P509056.D	5	03/01/23 20:54	HL	03/01/23 13:00	OP44956	E6P3845
Run #2							

	Initial Weight	Final Volume
Run #1	32.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.18	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	28%		10-109%
321-60-8	2-Fluorobiphenyl	47%		11-109%
1718-51-0	Terphenyl-d14	46%		10-120%

(a) Dilution required due to viscosity of the extract matrix.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-05-0.0-0.2-022723		
Lab Sample ID:	JD60984-4	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P509059.D	1	03/01/23 22:04	HL	03/01/23 13:00	OP44956	E6P3845
Run #2 [a]	6P509101.D	2	03/04/23 05:01	HL	03/01/23 13:00	OP44956	E6P3846

	Initial Weight	Final Volume
Run #1	32.0 g	1.0 ml
Run #2	32.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.043	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%	62%	10-109%
321-60-8	2-Fluorobiphenyl	64%	59%	11-109%
1718-51-0	Terphenyl-d14	66%	58%	10-120%

(a) Confirmation run for internal standard areas.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW-05-0.2-1.0-022723
Lab Sample ID: JD60984-5
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 78.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P509062.D	1	03/01/23 23:15	HL	03/01/23 13:00	OP44956	E6P3845
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.042	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	49%		10-109%
321-60-8	2-Fluorobiphenyl	46%		11-109%
1718-51-0	Terphenyl-d14	50%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I249014.D	1	03/03/23 21:42	CL	n/a	n/a	VI10106
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.010	0.0042	mg/kg	
71-43-2	Benzene	ND	0.00051	0.00046	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00057	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00043	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.0014	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00077	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0025	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00054	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00063	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00046	mg/kg	
75-00-3	Chloroethane	ND	0.0051	0.00060	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00053	mg/kg	
74-87-3	Chloromethane	ND	0.0051	0.0020	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00067	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00070	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00057	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00043	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00055	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00050	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00050	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0051	0.00074	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00050	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00048	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00066	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00085	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00062	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00048	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00048	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00046	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00046	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.0027	mg/kg	
591-78-6	2-Hexanone [a]	ND	0.0051	0.0021	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.0014	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.0014	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00089	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00047	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	0.0051	0.0023	mg/kg	
75-09-2	Methylene chloride	ND	0.0051	0.0026	mg/kg	
100-42-5	Styrene [a]	ND	0.0020	0.00041	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00061	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00059	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00053	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0051	0.0025	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0051	0.0025	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00049	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00056	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00077	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00069	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00049	mg/kg	
	m,p-Xylene	ND	0.0010	0.00091	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00046	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-124%
17060-07-0	1,2-Dichloroethane-D4	107%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	97%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-022723
Lab Sample ID: JD60984-6
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 73.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P509061.D	1	03/01/23 22:52	HL	03/01/23 13:00	OP44956	E6P3845
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.088	0.022	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.22	0.027	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.22	0.038	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.22	0.078	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.22	0.17	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.22	0.047	mg/kg	
95-48-7	2-Methylphenol	ND	0.088	0.028	mg/kg	
	3&4-Methylphenol	ND	0.088	0.036	mg/kg	
88-75-5	2-Nitrophenol	ND	0.22	0.029	mg/kg	
100-02-7	4-Nitrophenol	ND	0.44	0.12	mg/kg	
87-86-5	Pentachlorophenol [a]	ND	0.18	0.041	mg/kg	
108-95-2	Phenol	ND	0.088	0.023	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.22	0.029	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.22	0.033	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.22	0.026	mg/kg	
83-32-9	Acenaphthene	ND	0.044	0.015	mg/kg	
208-96-8	Acenaphthylene	ND	0.044	0.022	mg/kg	
98-86-2	Acetophenone	ND	0.22	0.0095	mg/kg	
120-12-7	Anthracene	0.0301	0.044	0.027	mg/kg	J
1912-24-9	Atrazine	ND	0.088	0.019	mg/kg	
56-55-3	Benzo(a)anthracene	0.131	0.044	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.141	0.044	0.020	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.178	0.044	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0890	0.044	0.022	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0576	0.044	0.021	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.088	0.017	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.088	0.011	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.088	0.0060	mg/kg	
100-52-7	Benzaldehyde	ND	0.22	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.088	0.010	mg/kg	
106-47-8	4-Chloroaniline	ND	0.22	0.016	mg/kg	
86-74-8	Carbazole	0.0142	0.088	0.0064	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.088	0.017	mg/kg	
218-01-9	Chrysene	0.143	0.044	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.088	0.0094	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.088	0.019	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.088	0.016	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.088	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.044	0.014	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.044	0.022	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.088	0.037	mg/kg	
123-91-1	1,4-Dioxane	ND	0.044	0.029	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0270	0.044	0.019	mg/kg	J
132-64-9	Dibenzofuran	ND	0.088	0.018	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.088	0.0072	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.088	0.011	mg/kg	
84-66-2	Diethyl phthalate	ND	0.088	0.0094	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.088	0.0078	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.088	0.010	mg/kg	
206-44-0	Fluoranthene	0.242	0.044	0.020	mg/kg	
86-73-7	Fluorene	ND	0.044	0.020	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.088	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.044	0.018	mg/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	0.44	0.018	mg/kg	
67-72-1	Hexachloroethane	ND	0.22	0.022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0856	0.044	0.021	mg/kg	
78-59-1	Isophorone	ND	0.088	0.0094	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.044	0.010	mg/kg	
88-74-4	2-Nitroaniline [b]	ND	0.22	0.010	mg/kg	
99-09-2	3-Nitroaniline	ND	0.22	0.011	mg/kg	
100-01-6	4-Nitroaniline	ND	0.22	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.044	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.088	0.017	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine [b]	ND	0.088	0.013	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.22	0.016	mg/kg	
85-01-8	Phenanthrene	0.130	0.044	0.015	mg/kg	
129-00-0	Pyrene	0.214	0.044	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.22	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	41%		10-96%
118-79-6	2,4,6-Tribromophenol	57%		10-123%
4165-60-0	Nitrobenzene-d5	55%		10-109%
321-60-8	2-Fluorobiphenyl	51%		11-109%
1718-51-0	Terphenyl-d14	53%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Alkane	3.97	.24	mg/kg	J
	Unknown	4.08	.2	mg/kg	J
	Unknown	4.33	.29	mg/kg	J
	Unknown	4.72	.23	mg/kg	J
	Unknown	7.95	.22	mg/kg	J
	Unknown	8.95	.22	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.05	.38	mg/kg	JN
	Unknown	9.30	.18	mg/kg	J
	Unknown	9.99	.61	mg/kg	J
	Unknown	13.02	.28	mg/kg	J
	Unknown acid	13.37	.3	mg/kg	J
	Unknown	13.99	1	mg/kg	J
	Unknown	14.61	.53	mg/kg	J
	Alkane	14.84	.96	mg/kg	J
	Unknown	14.88	.27	mg/kg	J
	Unknown	15.48	.38	mg/kg	J
	Unknown	15.65	.31	mg/kg	J
	Alkane	15.70	.22	mg/kg	J
	Unknown	15.78	.23	mg/kg	J
	Sitosterol	15.95	.59	mg/kg	J
	Unknown	16.22	.22	mg/kg	J
	Unknown	16.49	.24	mg/kg	J
	Unknown	16.66	.48	mg/kg	J
	Unknown	16.88	.23	mg/kg	J
	Unknown	16.94	.4	mg/kg	J
	Total TIC, Semi-Volatile		9.21	mg/kg	J

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-022723
Lab Sample ID: JD60984-6
Matrix: SO - Soil
Method: SW846 8151A SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 73.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G3921.D	1	03/03/23 16:41	MLC	03/01/23 09:45	OP44957	G9G211
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.022	0.012	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0044	0.0025	mg/kg	
93-76-5	2,4,5-T	ND	0.0044	0.0022	mg/kg	
75-99-0	Dalapon	ND	0.0044	0.0027	mg/kg	
1918-00-9	Dicamba	ND	0.0044	0.0023	mg/kg	
120-36-5	Dichloroprop	ND	0.022	0.012	mg/kg	
88-85-7	Dinoseb	ND	0.022	0.014	mg/kg	
94-74-6	MCPA	ND	2.2	1.2	mg/kg	
93-65-2	MCPP	ND	2.2	1.8	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0022	0.00071	mg/kg	
94-82-6	2,4-DB	ND	0.022	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	14%		10-138%
19719-28-9	2,4-DCAA	13%		10-138%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89263.D	1	03/11/23 02:41	TP	03/10/23 08:00	OP45143	G6G3230
Run #2							

	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00082	0.00067	mg/kg	
319-84-6	alpha-BHC	ND	0.00082	0.00066	mg/kg	
319-85-7	beta-BHC	ND	0.00082	0.00074	mg/kg	
319-86-8	delta-BHC	ND	0.00082	0.00078	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00082	0.00060	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00082	0.00066	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00082	0.00037	mg/kg	
60-57-1	Dieldrin	ND	0.00082	0.00056	mg/kg	
72-54-8	4,4'-DDD	ND	0.00082	0.00075	mg/kg	
72-55-9	4,4'-DDE	0.0015	0.00082	0.00072	mg/kg	
50-29-3	4,4'-DDT [a]	0.0027	0.00082	0.00072	mg/kg	B
72-20-8	Endrin	ND	0.00082	0.00064	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00082	0.00064	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00082	0.00046	mg/kg	
959-98-8	Endosulfan-I	ND	0.00082	0.00047	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00082	0.00051	mg/kg	
76-44-8	Heptachlor	ND	0.00082	0.00070	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00082	0.00057	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00065	mg/kg	
53494-70-5	Endrin ketone	ND	0.00082	0.00059	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		13-162%
877-09-8	Tetrachloro-m-xylene	103%		13-162%
2051-24-3	Decachlorobiphenyl	70%		10-180%
2051-24-3	Decachlorobiphenyl	95%		10-180%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2497999.D	1	03/02/23 09:28	CP	03/01/23 09:45	OP44959	GXX8097
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.042	0.019	mg/kg	
11104-28-2	Aroclor 1221	ND	0.042	0.026	mg/kg	
11141-16-5	Aroclor 1232	ND	0.042	0.027	mg/kg	
53469-21-9	Aroclor 1242	ND	0.042	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.042	0.037	mg/kg	
11097-69-1	Aroclor 1254	ND	0.042	0.022	mg/kg	
11096-82-5	Aroclor 1260	ND	0.042	0.018	mg/kg	
11100-14-4	Aroclor 1268	ND	0.042	0.018	mg/kg	
37324-23-5	Aroclor 1262	ND	0.042	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		10-174%
877-09-8	Tetrachloro-m-xylene	88%		10-174%
2051-24-3	Decachlorobiphenyl	78%		10-195%
2051-24-3	Decachlorobiphenyl	74%		10-195%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-022723
Lab Sample ID: JD60984-6
Matrix: SO - Soil
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 73.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4990	69	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.8	2.8	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.0	2.8	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	31.6	28	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.28	0.28	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.69	0.69	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	27300	690	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	10.7	1.4	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.9	6.9	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	14.2	3.5	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	10900	69	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	37.0	2.8	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	11600	690	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	339	2.1	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.038	0.038	mg/kg	1	03/01/23	03/02/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.4	5.5	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1400	1400	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.8	2.8	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.69	0.69	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1400	1400	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.4	1.4	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	11.6	6.9	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	104	6.9	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA53809
(2) Instrument QC Batch: MA53819
(3) Prep QC Batch: MP38111
(4) Prep QC Batch: MP38140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
		Percent Solids:	73.7
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.54	0.29	mg/kg	1	03/01/23 15:11	MM	SW846 9012B/LACHAT
Solids, Percent	73.7		%	1	03/01/23 11:50	RP	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB-022723		
Lab Sample ID:	JD60984-8	**Date Sampled:**	02/27/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L353698.D	1	03/02/23 01:17	MS	n/a	n/a	VL10730
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide [a]	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-022723		
Lab Sample ID:	JD60984-8	**Date Sampled:**	02/27/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW-07-22-24-022723
Lab Sample ID: JD60984-9
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 96.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P509054.D	1	03/01/23 20:07	HL	03/01/23 13:00	OP44956	E6P3845
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.034	0.022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	26%		10-109%
321-60-8	2-Fluorobiphenyl	25%		11-109%
1718-51-0	Terphenyl-d14	32%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SO
SLL
TB, EB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

Page 1 of 1 PH

FED-EX Tracking # 5844 7371 2214
Bottle Order Control # JD60984
SGS Quote # SGS Job # MW-022302-9

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W. Washington St
City: Syracuse State: NY Zip:
Project Contact: Robert.Trent@Ramboll.com E-mail:
Phone #:
Sampler(s) Name(s): RBrith Phone #: 585 797 7650

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Road
City: Fairport State: NY
Project #: 1940006467
Client Purchase Order #:
Project Manager: Robert Trent

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	V8260 TCL20+, SOL104	V8260TCL20+ ABS270TCL20+ MTBE+ BS-Phenol Dioxan, SOL4	LCLDIG 33 LIST40, SOL104	LCLDIG 33 List 40	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-MW07-0.0-0.5-022723		2/27/23	1000	BH	G	N	S	SO					2	2	1		5				E69T1
2	LR-MW07-0.5-2.0-022723		2/27/23	1000	BH	C	N	4	SO					4					1	1	2		4G2
3	LR-MW07-2.0-10-022823		2/27/23	1000	BH	C	N	3	SO					3						1	2		14R2
4	LR-MW08-0.0-0.2-022723		2/27/23	1400	BH	C	N	3	SO					3						1	2		U084
5	LR-MW08-0.2-1.0-022723		2/27/23	1420	BH	C	N	3	SO					3						1	2		B22
6	DUP-022723		2/27/23	—	BH	G/C	N	9	SO					6	2	1		5		1	2		
7	LR-EB-022723		2/27/23	1550	BH	C	N	3	EB					3							3		
LR-TD-022723		8	2/27/23	0700	BH	C	N	2		2									2				
9	LR-MW07-22-24-022723	9	2/27/23	1530				3															

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turn Around Time (Business Days)

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

Approved By (SGS PM): / Date:
Initial Assessment ~~A/A~~ (3/3)
Label Verification ___

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria ___
- [ ] CT RCP Criteria ___
- [ ] State Forms
- [ ] EDD Format NYSDEC Valid Values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Initial Assessment 2B OK
Label Verification ___

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1	RBrith	2/27/23 1610	Fed Ex
2	Fed Ex	3/28/23 1032	JP
3			
4			
5			

Custody Seal # ___ Intact ☐ Not Intact ☐ Absent ☐

Therm ID: ___ On Ice ☐ See Sample Receipt Summary ☐ Cooler Temp. °C 3.9

IR-40

SGS Sample Receipt Summary

Job Number: JD60984 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL

Date / Time Received: 2/28/2023 10:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.9);

Cooler Temps (Corrected) °C: Cooler 1: (3.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

1). Sample -4 ID on COC states "LR-MW-08-0.0-0.2-022723". ID on bottles state "LR-MW-05-0.0-0.2-022723".Collection Date & Time match.
2).Sample -5 ID on COC states "LR-MW-08-0.2-1.0.-022723". ID on bottles state "LR-MW-05-0.2-1.0-022723".Collection Date & Time match.
3).Received "LR-MW07-22-24-022723" collected 2/27/23 @ 15:30 not originally on COC. Added as -9. Received same bottle profile as -3. Please confirm

SM089-02 Rev. Date 12/1/16

Responded to by: Marie Meidhof

Response Date: 2/28/2023

1) Sample I#D 4 should be LR-MW-05-0.0-0.2-022723
2) SamplID for #5 should be LR-MW-05-0.2-1.0-022723
3) -9/-LR-MW-07-22-24-022723 should be analyzed for PFAS, percent solids, and 1,4-dioxane

JD60984: Chain of Custody
Page 3 of 3

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940006467

SGS Job Number: JD60984

Sampling Date: 02/27/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: 27

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD60984

Lyndon Road Landfill
Project No: 1940006467

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD60984-1	02/27/23	10:00	BH	02/28/23	SO	Soil	LR-MW07-0.0-0.5-022723
	JD60984-2	02/27/23	10:00	BH	02/28/23	SO	Soil	LR-MW07-0.0-0.2-022723
*	JD60984-2A	02/27/23	10:00	BH	02/28/23	SO	Soil	LR-MW07-0.0-0.2-022723
	JD60984-3	02/27/23	10:00	BH	02/28/23	SO	Soil	LR-MW07-0.2-1.0-022723
*	JD60984-3A	02/27/23	10:00	BH	02/28/23	SO	Soil	LR-MW07-0.2-1.0-022723
	JD60984-4	02/27/23	14:00	BH	02/28/23	SO	Soil	LR-MW-05-0.0-0.2-022723
*	JD60984-4A	02/27/23	14:00	BH	02/28/23	SO	Soil	LR-MW-05-0.0-0.2-022723
	JD60984-5	02/27/23	14:20	BH	02/28/23	SO	Soil	LR-MW-05-0.2-1.0-022723
*	JD60984-5A	02/27/23	14:20	BH	02/28/23	SO	Soil	LR-MW-05-0.2-1.0-022723
	JD60984-6	02/27/23	00:00	BH	02/28/23	SO	Soil	DUP-022723
*	JD60984-6A	02/27/23	00:00	BH	02/28/23	SO	Soil	DUP-022723
*	JD60984-7	02/27/23	15:50	BH	02/28/23	AQ	Equipment Blank	LR-EB-022723

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD60984

Lyndon Road Landfill
Project No: 1940006467

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD60984-8	02/27/23	15:50	BH	02/28/23	AQ	Trip Blank Soil	TB-022723
	JD60984-9	02/27/23	15:30		02/28/23	SO	Soil	LR-MW-07-22-24-022723
*	JD60984-9A	02/27/23	15:30		02/28/23	SO	Soil	LR-MW-07-22-24-022723

* The following report applies to these samples only (14 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41826.D	1	03/09/23 16:26	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	4.95 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00067	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00053	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00027	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00027	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00014	0.00027	0.00013	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00027	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00027	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00070	0.00027	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00080	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00027	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00027	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00027	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0027	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00039	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00053	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00053	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00053	0.00033	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00059	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00053	mg/kg	
113507-82-7	PFEESA	ND	0.00053	0.00027	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00068	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0067	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0067	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	83%		20-150%
	13C4-PFHpA	83%		20-150%
	13C8-PFOA	78%		20-150%
	13C9-PFNA	87%		20-150%
	13C6-PFDA	87%		20-150%
	13C7-PFUnDA	91%		20-150%
	13C2-PFDoDA	88%		20-150%
	13C2-PFTeDA	90%		20-150%
	13C3-PFBS	81%		20-150%
	13C3-PFHxS	86%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	81%		20-150%
	13C8-FOSA	81%		20-150%
	d3-MeFOSA	71%		20-150%
	d5-EtFOSA	66%		20-150%
	d3-MeFOSAA	94%		20-150%
	d5-EtFOSAA	93%		20-150%
	d7-MeFOSE	66%		20-150%
	d9-EtFOSE	62%		20-150%
	13C2-4:2FTS	102%		20-150%
	13C2-6:2FTS	93%		20-150%
	13C2-8:2FTS	87%		20-150%
	13C3-HFPO-DA	83%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.2-1.0-022723		
Lab Sample ID:	JD60984-3A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	85.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41829.D	1	03/09/23 17:09	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00094	0.00059	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00047	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00021	0.00024	0.00012	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00018	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00017	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00066	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00021	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00094	0.00047	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00094	0.00047	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00094	0.00071	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00016	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.2-1.0-022723		
Lab Sample ID:	JD60984-3A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	85.4
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00024	0.00023	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00094	0.00034	mg/kg	
919005-14-4	ADONA	ND	0.00094	0.00040	mg/kg	
377-73-1	PFMPA	ND	0.00047	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00047	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00047	0.00029	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00094	0.00052	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00094	0.00047	mg/kg	
113507-82-7	PFEESA	ND	0.00047	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00060	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0059	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0059	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	79%		20-150%
	13C5-PFPeA	75%		20-150%
	13C5-PFHxA	78%		20-150%
	13C4-PFHpA	76%		20-150%
	13C8-PFOA	77%		20-150%
	13C9-PFNA	73%		20-150%
	13C6-PFDA	82%		20-150%
	13C7-PFUnDA	81%		20-150%
	13C2-PFDoDA	76%		20-150%
	13C2-PFTeDA	76%		20-150%
	13C3-PFBS	77%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.2-1.0-022723		
Lab Sample ID:	JD60984-3A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	85.4
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	78%		20-150%
	13C8-FOSA	77%		20-150%
	d3-MeFOSA	73%		20-150%
	d5-EtFOSA	66%		20-150%
	d3-MeFOSAA	87%		20-150%
	d5-EtFOSAA	92%		20-150%
	d7-MeFOSE	65%		20-150%
	d9-EtFOSE	64%		20-150%
	13C2-4:2FTS	95%		20-150%
	13C2-6:2FTS	89%		20-150%
	13C2-8:2FTS	83%		20-150%
	13C3-HFPO-DA	75%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-05-0.0-0.2-022723		
Lab Sample ID:	JD60984-4A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41832.D	1	03/09/23 17:51	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.00078	0.0011	0.00068	mg/kg	J
2706-90-3	Perfluoropentanoic acid	ND	0.00054	0.00014	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00027	0.00014	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00027	0.00014	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00074	0.00027	0.00014	mg/kg	
375-95-1	Perfluorononanoic acid	0.00021	0.00027	0.00016	mg/kg	J
335-76-2	Perfluorodecanoic acid	ND	0.00027	0.00014	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00014	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00014	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00014	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00022	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00020	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0028	0.00027	0.00014	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00025	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00082	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00014	mg/kg	
31506-32-8	MeFOSA	ND	0.00027	0.00019	mg/kg	
4151-50-2	EtFOSA	ND	0.00027	0.00014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-05-0.0-0.2-022723		
Lab Sample ID:	JD60984-4A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00027	0.00027	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0014	mg/kg	
1691-99-2	EtFOSE	ND	0.0027	0.0014	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00039	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00046	mg/kg	
377-73-1	PFMPA	ND	0.00054	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00054	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00054	0.00033	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00060	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00054	mg/kg	
113507-82-7	PFEESA	ND	0.00054	0.00027	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00069	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0068	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0068	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	88%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	84%		20-150%
	13C4-PFHpA	80%		20-150%
	13C8-PFOA	81%		20-150%
	13C9-PFNA	81%		20-150%
	13C6-PFDA	86%		20-150%
	13C7-PFUnDA	89%		20-150%
	13C2-PFDoDA	87%		20-150%
	13C2-PFTeDA	87%		20-150%
	13C3-PFBS	86%		20-150%
	13C3-PFHxS	86%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-05-0.0-0.2-022723		
Lab Sample ID:	JD60984-4A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	82%		20-150%
	13C8-FOSA	84%		20-150%
	d3-MeFOSA	73%		20-150%
	d5-EtFOSA	70%		20-150%
	d3-MeFOSAA	95%		20-150%
	d5-EtFOSAA	93%		20-150%
	d7-MeFOSE	69%		20-150%
	d9-EtFOSE	66%		20-150%
	13C2-4:2FTS	105%		20-150%
	13C2-6:2FTS	106%		20-150%
	13C2-8:2FTS	83%		20-150%
	13C3-HFPO-DA	81%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW-05-0.2-1.0-022723
Lab Sample ID: JD60984-5A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 78.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41833.D	1	03/09/23 18:05	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	4.98 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00064	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00051	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00025	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00025	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00050	0.00025	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00025	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00025	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00025	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00025	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00025	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00025	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00025	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00025	0.00020	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00025	0.00020	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00025	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0025	0.00025	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00025	0.00023	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00025	0.00018	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00025	0.00019	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00076	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00025	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00025	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00025	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-05-0.2-1.0-022723		
Lab Sample ID:	JD60984-5A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	78.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00025	0.00020	mg/kg	
2991-50-6	EtFOSAA	ND	0.00025	0.00025	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0025	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0025	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00037	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00043	mg/kg	
377-73-1	PFMPA	ND	0.00051	0.00025	mg/kg	
863090-89-5	PFMBA	ND	0.00051	0.00025	mg/kg	
151772-58-6	NFDHA	ND	0.00051	0.00031	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00056	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00051	mg/kg	
113507-82-7	PFEESA	ND	0.00051	0.00025	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00065	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0064	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0064	0.0016	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	78%		20-150%
	13C5-PFHxA	79%		20-150%
	13C4-PFHpA	77%		20-150%
	13C8-PFOA	78%		20-150%
	13C9-PFNA	73%		20-150%
	13C6-PFDA	83%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	84%		20-150%
	13C2-PFTeDA	77%		20-150%
	13C3-PFBS	83%		20-150%
	13C3-PFHxS	83%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-05-0.2-1.0-022723		
Lab Sample ID:	JD60984-5A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	78.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	83%		20-150%
	13C8-FOSA	80%		20-150%
	d3-MeFOSA	67%		20-150%
	d5-EtFOSA	64%		20-150%
	d3-MeFOSAA	95%		20-150%
	d5-EtFOSAA	94%		20-150%
	d7-MeFOSE	65%		20-150%
	d9-EtFOSE	63%		20-150%
	13C2-4:2FTS	100%		20-150%
	13C2-6:2FTS	100%		20-150%
	13C2-8:2FTS	84%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41834.D	1	03/09/23 18:19	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00068	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00054	0.00014	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00027	0.00014	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00027	0.00014	mg/kg	
335-67-1	Perfluorooctanoic acid	ND	0.00027	0.00014	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00027	0.00016	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00027	0.00014	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00014	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00014	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00014	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00020	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00068	0.00027	0.00014	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00081	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00014	mg/kg	
31506-32-8	MeFOSA	ND	0.00027	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00027	0.00014	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00027	0.00027	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0014	mg/kg	
1691-99-2	EtFOSE	ND	0.0027	0.0014	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00039	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00054	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00054	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00054	0.00033	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00059	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00054	mg/kg	
113507-82-7	PFEESA	ND	0.00054	0.00027	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00069	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0068	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0068	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	85%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	84%		20-150%
	13C4-PFHpA	83%		20-150%
	13C8-PFOA	80%		20-150%
	13C9-PFNA	84%		20-150%
	13C6-PFDA	84%		20-150%
	13C7-PFUnDA	95%		20-150%
	13C2-PFDoDA	84%		20-150%
	13C2-PFTeDA	84%		20-150%
	13C3-PFBS	86%		20-150%
	13C3-PFHxS	85%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	81%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	64%		20-150%
	d5-EtFOSA	58%		20-150%
	d3-MeFOSAA	93%		20-150%
	d5-EtFOSAA	87%		20-150%
	d7-MeFOSE	63%		20-150%
	d9-EtFOSE	60%		20-150%
	13C2-4:2FTS	99%		20-150%
	13C2-6:2FTS	95%		20-150%
	13C2-8:2FTS	83%		20-150%
	13C3-HFPO-DA	80%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-022723		
Lab Sample ID:	JD60984-7	**Date Sampled:**	02/27/23
Matrix:	AQ - Equipment Blank	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41822.D	1	03/09/23 15:30	AFL	03/08/23 09:30	F:OP95792	F:S4Q599
Run #2							

	Initial Volume	Final Volume
Run #1	66.0 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.061	0.030	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.030	0.0076	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.015	0.0038	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	0.0038	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	0.0038	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	0.0046	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	0.0038	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	0.0045	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	0.0045	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	0.0064	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	0.0038	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	0.0076	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.015	0.0085	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	0.0076	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.015	0.0076	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	0.0076	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.015	0.0076	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.015	0.0076	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.015	0.0086	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.061	0.030	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.061	0.030	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.061	0.031	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.015	0.0076	ug/l	
31506-32-8	MeFOSA	ND	0.015	0.0076	ug/l	
4151-50-2	EtFOSA	ND	0.015	0.0076	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-022723		
Lab Sample ID:	JD60984-7	**Date Sampled:**	02/27/23
Matrix:	AQ - Equipment Blank	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.015	0.0076	ug/l	
2991-50-6	EtFOSAA	ND	0.015	0.010	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.15	0.076	ug/l	
1691-99-2	EtFOSE	ND	0.15	0.076	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.061	0.015	ug/l	
919005-14-4	ADONA	ND	0.061	0.015	ug/l	
377-73-1	PFMPA	ND	0.030	0.0076	ug/l	
863090-89-5	PFMBA	ND	0.030	0.0086	ug/l	
151772-58-6	NFDHA	ND	0.030	0.0091	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.061	0.015	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.061	0.015	ug/l	
113507-82-7	PFEESA	ND	0.030	0.0076	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.076	0.038	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.38	0.076	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.38	0.076	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	98%		20-150%
	13C5-PFPeA	96%		20-150%
	13C5-PFHxA	93%		20-150%
	13C4-PFHpA	93%		20-150%
	13C8-PFOA	95%		20-150%
	13C9-PFNA	92%		20-150%
	13C6-PFDA	100%		20-150%
	13C7-PFUnDA	100%		20-150%
	13C2-PFDoDA	98%		20-150%
	13C2-PFTeDA	95%		20-150%
	13C3-PFBS	94%		20-150%
	13C3-PFHxS	96%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-022723		
Lab Sample ID:	JD60984-7	**Date Sampled:**	02/27/23
Matrix:	AQ - Equipment Blank	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	98%		20-150%
	13C8-FOSA	88%		20-150%
	d3-MeFOSA	86%		20-150%
	d5-EtFOSA	85%		20-150%
	d3-MeFOSAA	101%		20-150%
	d5-EtFOSAA	99%		20-150%
	d7-MeFOSE	89%		20-150%
	d9-EtFOSE	90%		20-150%
	13C2-4:2FTS	122%		20-150%
	13C2-6:2FTS	128%		20-150%
	13C2-8:2FTS	108%		20-150%
	13C3-HFPO-DA	92%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-07-22-24-022723		
Lab Sample ID:	JD60984-9A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	96.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41835.D	1	03/09/23 18:33	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00083	0.00052	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00042	0.00010	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00021	0.00010	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00021	0.00010	mg/kg	
335-67-1	Perfluorooctanoic acid	ND	0.00021	0.00010	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00021	0.00012	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00021	0.00010	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00021	0.00014	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00021	0.00010	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00021	0.00011	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00021	0.00010	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00021	0.00010	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00021	0.00016	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00021	0.00017	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00021	0.00015	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.00021	0.00010	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00021	0.00019	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00021	0.00015	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00021	0.00016	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00083	0.00042	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00083	0.00042	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00083	0.00063	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00021	0.00010	mg/kg	
31506-32-8	MeFOSA	ND	0.00021	0.00014	mg/kg	
4151-50-2	EtFOSA	ND	0.00021	0.00011	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-07-22-24-022723		
Lab Sample ID:	JD60984-9A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	96.4
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00021	0.00016	mg/kg	
2991-50-6	EtFOSAA	ND	0.00021	0.00021	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0021	0.0010	mg/kg	
1691-99-2	EtFOSE	ND	0.0021	0.0010	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00083	0.00030	mg/kg	
919005-14-4	ADONA	ND	0.00083	0.00035	mg/kg	
377-73-1	PFMPA	ND	0.00042	0.00021	mg/kg	
863090-89-5	PFMBA	ND	0.00042	0.00021	mg/kg	
151772-58-6	NFDHA	ND	0.00042	0.00025	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00083	0.00046	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00083	0.00042	mg/kg	
113507-82-7	PFEESA	ND	0.00042	0.00021	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0010	0.00053	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0052	0.0012	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0052	0.0013	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		20-150%
	13C5-PFPeA	81%		20-150%
	13C5-PFHxA	81%		20-150%
	13C4-PFHpA	82%		20-150%
	13C8-PFOA	81%		20-150%
	13C9-PFNA	79%		20-150%
	13C6-PFDA	81%		20-150%
	13C7-PFUnDA	86%		20-150%
	13C2-PFDoDA	75%		20-150%
	13C2-PFTeDA	66%		20-150%
	13C3-PFBS	77%		20-150%
	13C3-PFHxS	77%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-07-22-24-022723		
Lab Sample ID:	JD60984-9A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	96.4
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	78%		20-150%
	13C8-FOSA	75%		20-150%
	d3-MeFOSA	61%		20-150%
	d5-EtFOSA	55%		20-150%
	d3-MeFOSAA	80%		20-150%
	d5-EtFOSAA	85%		20-150%
	d7-MeFOSE	64%		20-150%
	d9-EtFOSE	63%		20-150%
	13C2-4:2FTS	110%		20-150%
	13C2-6:2FTS	104%		20-150%
	13C2-8:2FTS	90%		20-150%
	13C3-HFPO-DA	82%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS

EHSA-QAC-0023-04-FORM-Standard COC

SO
SLL
TB, EB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1 PH

FED-EX Tracking # 5844 7371 2214
Bottle Order Control # JD60984
SGS Quote #
SGS Job # MW-022302-9

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W. Washington St
City: Syracuse State: NY Zip:
Project Contact: Robert.Trent@Ramboll.com E-mail:
Phone #:
Sampler(s) Name(s): RBrith Phone #: 585 797 7650

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Road
City: Fairport State: NY
Project #: 1940006467
Client Purchase Order #:
Project Manager: Robert Trent

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-MW07-0.0-0.5-022723		2/27/23	1000	BH	G	N	S	SO					2	2	1		5	E69T1
2	LR-MW07-0.5-2.0-022723		2/27/23	1000	BH	C	N	4	SO					4				1 1 2	4G2
3	LR-MW07-2.0-10-022823		2/27/23	1000	BH	C	N	3	SO					3				1 2	14R2
4	LR-MW08-0.0-0.2-022723		2/27/23	1400	BH	C	N	3	SO					3				1 2	4084
5	LR-MW08-0.2-1.0-022723		2/27/23	1420	BH	C	N	3	SO					3				1 2	B22
6	DUP-022723		2/27/23	—	BH	G/C	N	9	SO					6	2	1		5 1 1 2	
7	LR-EB-022723		2/27/23	1550	BH	C	N	3	EB					3				3	
LR-TB-022723		8	2/27/23	0700	BH	C	N	2		2								2	
9	LR-MW07-22-24-022723	9	2/27/23	1530				3											

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [x] 10 Business Days — Initial Assessment ~~A/A~~ (3/3)
- [ ] 5 Business Days
- [ ] 3 Business Days* — Label Verification ___
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other ___

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria ___
- [ ] CT RCP Criteria ___
- [ ] State Forms
- [ ] EDD Format NYSDEC Valid Values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Initial Assessment 2B OK
Label Verification ___

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1	RBrith	2/27/23 1610	Fed Ex
2			Fed Ex
3			
4			
5			

Date / Time: 3/28/23 1032

Custody Seal # ___ Intact ☐ Not Intact ☐ Absent ☐

Therm ID: ___ On Ice ___ Cooler Temp. °C 3.9
See Sample Receipt Summary ☐

IR-40

SGS Sample Receipt Summary

Job Number: JD60984 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL

Date / Time Received: 2/28/2023 10:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.9);

Cooler Temps (Corrected) °C: Cooler 1: (3.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

1). Sample -4 ID on COC states "LR-MW-08-0.0-0.2-022723". ID on bottles state "LR-MW-05-0.0-0.2-022723".Collection Date & Time match.
2).Sample -5 ID on COC states "LR-MW-08-0.2-1.0.-022723". ID on bottles state "LR-MW-05-0.2-1.0-022723".Collection Date & Time match.
3).Received "LR-MW07-22-24-022723" collected 2/27/23 @ 15:30 not originally on COC. Added as -9. Received same bottle profile as -3. Please confirm

Responded to by: Marie Meidhof Response Date: 2/28/2023

1) Sample I#D 4 should be LR-MW-05-0.0-0.2-022723
2) SamplID for #5 should be LR-MW-05-0.2-1.0-022723
3) -9/-LR-MW-07-22-24-022723 should be analyzed for PFAS, percent solids, and 1,4-dioxane

JD60984: Chain of Custody
Page 3 of 3

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD61307

Sampling Date: 03/02/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **10**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD61307

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD61307-1	03/02/23	11:00	RB	03/02/23	SO	Soil	LR-MW05-06-08-030223
	JD61307-2	03/02/23	15:00	RB	03/02/23	SO	Soil	LR-MW05-06-08-030223
*	JD61307-2A	03/02/23	15:00	RB	03/02/23	SO	Soil	LR-MW05-06-08-030223
*	JD61307-3	03/02/23	15:30	RB	03/02/23	AQ	Equipment Blank	LR-EB-030223
	JD61307-4	03/02/23	15:30	RB	03/02/23	AQ	Trip Blank Soil	LR-TB-030223

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

* The following report applies to these samples only (14 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-2A	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	70.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15129.D	1	03/21/23 21:17	AFL	03/16/23 10:45	F:OP95917	F:S6Q229
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00071	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00032	0.00057	0.00014	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00016	0.00028	0.00014	mg/kg	J
375-85-9	Perfluoroheptanoic acid	0.00025	0.00028	0.00014	mg/kg	J
335-67-1	Perfluorooctanoic acid	0.0055	0.00028	0.00014	mg/kg	
375-95-1	Perfluorononanoic acid	0.00047	0.00028	0.00016	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00061	0.00028	0.00014	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00028	0.00019	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00015	0.00028	0.00014	mg/kg	J
72629-94-8	Perfluorotridecanoic acid	ND	0.00028	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00028	0.00014	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00028	0.00014	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00028	0.00022	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00032	0.00028	0.00023	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00058	0.00028	0.00021	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0487	0.00028	0.00014	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00028	0.00026	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00028	0.00020	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00028	0.00021	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00057	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00057	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00085	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	0.00073	0.00028	0.00014	mg/kg	
31506-32-8	MeFOSA	ND	0.00028	0.00019	mg/kg	
4151-50-2	EtFOSA	ND	0.00028	0.00014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-2A	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	70.2
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00028	0.00022	mg/kg	
2991-50-6	EtFOSAA	0.0016	0.00028	0.00028	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0028	0.0014	mg/kg	
1691-99-2	EtFOSE	ND	0.0028	0.0014	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00041	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00048	mg/kg	
377-73-1	PFMPA	ND	0.00057	0.00028	mg/kg	
863090-89-5	PFMBA	ND	0.00057	0.00028	mg/kg	
151772-58-6	NFDHA	ND	0.00057	0.00035	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00062	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00057	mg/kg	
113507-82-7	PFEESA	ND	0.00057	0.00028	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00072	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0071	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0071	0.0018	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	78%		20-150%
	13C5-PFPeA	76%		20-150%
	13C5-PFHxA	80%		20-150%
	13C4-PFHpA	80%		20-150%
	13C8-PFOA	78%		20-150%
	13C9-PFNA	77%		20-150%
	13C6-PFDA	86%		20-150%
	13C7-PFUnDA	87%		20-150%
	13C2-PFDoDA	85%		20-150%
	13C2-PFTeDA	82%		20-150%
	13C3-PFBS	76%		20-150%
	13C3-PFHxS	77%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-2A	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	70.2
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	67%		20-150%
	13C8-FOSA	81%		20-150%
	d3-MeFOSA	71%		20-150%
	d5-EtFOSA	61%		20-150%
	d3-MeFOSAA	88%		20-150%
	d5-EtFOSAA	104%		20-150%
	d7-MeFOSE	70%		20-150%
	d9-EtFOSE	64%		20-150%
	13C2-4:2FTS	85%		20-150%
	13C2-6:2FTS	83%		20-150%
	13C2-8:2FTS	66%		20-150%
	13C3-HFPO-DA	76%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-030223		
Lab Sample ID:	JD61307-3	**Date Sampled:**	03/02/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/02/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15083.D	1	03/21/23 08:44	AFL	03/16/23 13:10	F:OP95925	F:S6Q228
Run #2							

	Initial Volume	Final Volume
Run #1	550 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0073	0.0036	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0036	0.00091	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00045	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00045	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00045	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00055	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00045	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00055	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00055	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00076	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00045	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00091	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00091	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00091	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00091	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00091	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00091	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0073	0.0036	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0073	0.0036	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0073	0.0037	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00091	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00091	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00091	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-030223		
Lab Sample ID:	JD61307-3	**Date Sampled:**	03/02/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/02/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00091	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0091	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0091	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0073	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0073	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0036	0.00091	ug/l	
863090-89-5	PFMBA	ND	0.0036	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0036	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0073	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0073	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0036	0.00091	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0091	0.0045	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.045	0.0091	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.045	0.0091	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	107%		20-150%
	13C5-PFPeA	97%		20-150%
	13C5-PFHxA	96%		20-150%
	13C4-PFHpA	95%		20-150%
	13C8-PFOA	101%		20-150%
	13C9-PFNA	103%		20-150%
	13C6-PFDA	106%		20-150%
	13C7-PFUnDA	102%		20-150%
	13C2-PFDoDA	95%		20-150%
	13C2-PFTeDA	90%		20-150%
	13C3-PFBS	104%		20-150%
	13C3-PFHxS	100%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-030223		
Lab Sample ID:	JD61307-3	**Date Sampled:**	03/02/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/02/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	107%		20-150%
	13C8-FOSA	94%		20-150%
	d3-MeFOSA	76%		20-150%
	d5-EtFOSA	85%		20-150%
	d3-MeFOSAA	99%		20-150%
	d5-EtFOSAA	91%		20-150%
	d7-MeFOSE	92%		20-150%
	d9-EtFOSE	91%		20-150%
	13C2-4:2FTS	118%		20-150%
	13C2-6:2FTS	119%		20-150%
	13C2-8:2FTS	106%		20-150%
	13C3-HFPO-DA	91%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SO
SLC
EB, TB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

JD61307

BW-022323-117

Page 1 of 1

FED-EX Tracking #

Bottle Order Control #

SGS Quote #

SGS Job #: MM-022302-9

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W. Washington St
City: Syracuse State: NY Zip:
Project Contact: Robert.Trent@Ramboll.com E-mail:
Phone #:
Sampler(s) Name(s): Robert (585) 747 7650 Phone #:

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Rd
City: Fairport State: NY
Project #: 1940102.0110
Client Purchase Order #:
Project Manager: Robert Trent

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-MW05-06-08030223		3/2/23	1100	RB	G	N	SO	5				2	2	1			5	803
2	LR-MW05-06-08030223		3/2/23	1500	RB	C	N	SO	4				4					1 1 2	14R6
3	LR-EB-030223		3/2/23	1530	RB	C	N	EB	3				3					3	4D91
4	LR-TB-030223		3/2/23	0900 1630	RB	C	N	TB	3	3								3	VS48

Initial Assessment: 2 BTP
Label Verification:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format NYSDEC Valid Values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Custody Seal 08915
Di vail Placed in R-67 @ 13:09

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1	Rebecca Britt	3/2/2023	1730
2			
3			
4			
5			

Custody Seal #: ☐ Intact ☐ Not Intact | Absent ☐

Therm ID: See Sample Receipt Summary

On Ice ☑

Cooler Temp. °C: 3.9 CP

IR 40

SGS Sample Receipt Summary

Job Number: jd61307 **Client:** Ramboll **Project:** Lyndon Road

Date / Time Received: 3/3/2023 **Delivery Method:** FedEx **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.9);

Cooler Temps (Corrected) °C: Cooler 1: (3.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-GUN		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD61586

Sampling Dates: 03/07/23 - 03/08/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **31**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD61586

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD61586-1	03/07/23	12:15	BH	03/09/23	AQ	Equipment Blank	LR-EB-01-030723
	JD61586-2	03/08/23	12:05	BH	03/09/23	AQ	Equipment Blank	LR-EB-01-030823
	JD61586-3	03/08/23	12:20	BH	03/09/23	AQ	Equipment Blank	LR-EB-02-030823
*	JD61586-4	03/08/23	12:00	BH	03/09/23	SO	Soil	LR-TT06-04-05-030823
	JD61586-4A	03/08/23	12:00	BH	03/09/23	SO	Soil	LR-TT06-04-05-030823
*	JD61586-5	03/08/23	12:10	BH	03/09/23	SO	Soil	LR-TT06-0.2-1.0-030823
	JD61586-5A	03/08/23	12:10	BH	03/09/23	SO	Soil	LR-TT06-0.2-1.0-030823
	JD61586-5B	03/08/23	12:10	BH	03/09/23	SO	Soil	LR-TT06-0.2-1.0-030823
*	JD61586-5C	03/08/23	12:10	BH	03/09/23	SO	Soil	LR-TT06-0.2-1.0-030823
*	JD61586-6	03/08/23	10:30	BH	03/09/23	SO	Soil	LR-TT04-DRUM-030823
	JD61586-6A	03/08/23	10:30	BH	03/09/23	SO	Soil	LR-TT04-DRUM-030823
*	JD61586-7	03/08/23	11:00	BH	03/09/23	SO	Soil	LR-TT04-0.2-1.0-030823

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD61586

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD61586-7A	03/08/23	11:00	BH	03/09/23	SO	Soil	LR-TT04-0.2-1.0-030823
	JD61586-7B	03/08/23	11:00	BH	03/09/23	SO	Soil	LR-TT04-0.2-1.0-030823
*	JD61586-7C	03/08/23	11:00	BH	03/09/23	SO	Soil	LR-TT04-0.2-1.0-030823
*	JD61586-8	03/08/23	09:30	BH	03/09/23	SO	Soil	LR-TT04-02-03-030823
	JD61586-8A	03/08/23	09:30	BH	03/09/23	SO	Soil	LR-TT04-02-03-030823

* The following report applies to these samples only (7 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8260D SW846 1311	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D126050.D	5	03/21/23 07:00	PS	03/13/23 11:00	GP45583	V4D5593
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.0021	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.034	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0028	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0028	mg/l	
67-66-3	Chloroform [a]	0.0055	D022	6.0	0.0050	0.0025	mg/l	B
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0030	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0030	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0045	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0026	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-120%
17060-07-0	1,2-Dichloroethane-D4	98%		64-135%
2037-26-5	Toluene-D8	100%		76-117%
460-00-4	4-Bromofluorobenzene	96%		72-122%

(a) Indicates analyte found in associated leachate blank.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M187724.D	2	03/13/23 14:26	KH	03/11/23 10:15	OP45154	EM8114
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.081	0.053	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		10-109%
321-60-8	2-Fluorobiphenyl	78%		11-109%
1718-51-0	Terphenyl-d14	82%		10-120%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR851.D	1	03/17/23 13:10	JY	03/16/23 09:02	OP45222	ECR35
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		10-73%
4165-62-2	Phenol-d5	35%		10-64%
118-79-6	2,4,6-Tribromophenol	91%		31-130%
4165-60-0	Nitrobenzene-d5	78%		28-126%
321-60-8	2-Fluorobiphenyl	68%		26-114%
1718-51-0	Terphenyl-d14	77%		16-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4166.D	1	03/18/23 02:01	RK	03/16/23 08:35	OP45223	G9G225
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	0.0016	D016	10	0.0033	0.00098	mg/l	J
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	51%		13-169%
19719-28-9	2,4-DCAA	72%		13-169%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89421.D	1	03/16/23 23:56	RK	03/16/23 10:20	OP45224	G6G3238
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	53%		30-137%
877-09-8	Tetrachloro-m-xylene	64%		30-137%
2051-24-3	Decachlorobiphenyl	53%		10-137%
2051-24-3	Decachlorobiphenyl	75%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	80.8
Project:	Lyndon Road Landfill		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	1.2	D005	100	0.20	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	0.017	D006	1.0	0.0040	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	0.67	D008	5.0	0.10	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	03/14/23	03/16/23	LM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53859
(2) Instrument QC Batch: MA53865
(3) Prep QC Batch: MP38397
(4) Prep QC Batch: MP38426

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	80.8
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	80.8		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
pH [a]	7.64		su	1	03/14/23 17:21	MM	SW846 9045D

(a) Temp of pH Reading: 12.9 Deg. C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	81.8
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	81.8		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
Total Organic Carbon	48500	120	mg/kg	1	03/14/23 11:49	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5C	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	81.8
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH [a]	7.32		su	1	03/21/23 18:18	DB	SW846 9045D

(a) Temp of pH Reading: 21.2 Deg. C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-030823		
Lab Sample ID:	JD61586-6	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8260D SW846 1311	**Percent Solids:**	73.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D126051.D	5	03/21/23 08:43	PS	03/13/23 11:00	GP45583	V4D5593
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.0021	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.034	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0028	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0028	mg/l	
67-66-3	Chloroform [a]	0.0042	D022	6.0	0.0050	0.0025	mg/l	JB
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0030	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0030	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0045	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0026	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-120%
17060-07-0	1,2-Dichloroethane-D4	100%		64-135%
2037-26-5	Toluene-D8	100%		76-117%
460-00-4	4-Bromofluorobenzene	96%		72-122%

(a) Indicates analyte found in associated leachate blank.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-030823		
Lab Sample ID:	JD61586-6	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	73.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M187726.D	5	03/13/23 15:09	KH	03/11/23 10:15	OP45154	EM8114
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.22	0.15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	55%		10-109%
321-60-8	2-Fluorobiphenyl	55%		11-109%
1718-51-0	Terphenyl-d14	59%		10-120%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-030823		
Lab Sample ID:	JD61586-6	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	73.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR852.D	1	03/17/23 13:28	JY	03/16/23 09:02	OP45222	ECR35
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-73%
4165-62-2	Phenol-d5	33%		10-64%
118-79-6	2,4,6-Tribromophenol	88%		31-130%
4165-60-0	Nitrobenzene-d5	83%		28-126%
321-60-8	2-Fluorobiphenyl	75%		26-114%
1718-51-0	Terphenyl-d14	78%		16-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT04-DRUM-030823
Lab Sample ID: JD61586-6
Matrix: SO - Soil
Method: SW846 8151A SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/08/23
Date Received: 03/09/23
Percent Solids: 73.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4167.D	1	03/18/23 02:22	RK	03/16/23 08:35	OP45223	G9G225
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0033	0.00098	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	14%		13-169%
19719-28-9	2,4-DCAA	22%		13-169%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-030823		
Lab Sample ID:	JD61586-6	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	73.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89422.D	1	03/17/23 00:14	RK	03/16/23 10:20	OP45224	G6G3238
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		30-137%
877-09-8	Tetrachloro-m-xylene	81%		30-137%
2051-24-3	Decachlorobiphenyl	53%		10-137%
2051-24-3	Decachlorobiphenyl	70%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-030823		
Lab Sample ID:	JD61586-6	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	73.4
Project:	Lyndon Road Landfill		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 0.20	D005	100	0.20	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	03/14/23	03/16/23	LM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53859
(2) Instrument QC Batch: MA53865
(3) Prep QC Batch: MP38397
(4) Prep QC Batch: MP38426

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-030823		
Lab Sample ID:	JD61586-6	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	73.4
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	73.4		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
pH [a]	7.65		su	1	03/14/23 17:23	MM	SW846 9045D

(a) Temp of pH Reading: 13.4 Deg. C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	75.7
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	75.7		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
Total Organic Carbon	24200	130	mg/kg	1	03/13/23 14:52	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7C	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	75.7
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH [a]	7.57		su	1	03/17/23 22:53	MM	SW846 9045D

(a) Temp of pH Reading: 21.3 Deg. C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8260D SW846 1311	**Percent Solids:**	84.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1F4046.D	5	03/21/23 20:57	NW	03/13/23 11:00	GP45583	V1F133
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.0021	mg/l	
78-93-3	2-Butanone (MEK) [a]	ND	D035	200	0.10	0.034	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0028	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0028	mg/l	
67-66-3	Chloroform [b]	0.0041	D022	6.0	0.0050	0.0025	mg/l	JB
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0030	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0030	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0045	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0026	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	105%		64-135%
2037-26-5	Toluene-D8	102%		76-117%
460-00-4	4-Bromofluorobenzene	100%		72-122%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Indicates analyte found in associated leachate blank.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT04-02-03-030823
Lab Sample ID: JD61586-8
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/08/23
Date Received: 03/09/23
Percent Solids: 84.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M187727.D	5	03/13/23 15:31	KH	03/11/23 10:15	OP45154	EM8114
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.19	0.13	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	52%		10-109%
321-60-8	2-Fluorobiphenyl	51%		11-109%
1718-51-0	Terphenyl-d14	55%		10-120%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT04-02-03-030823
Lab Sample ID: JD61586-8
Matrix: SO - Soil
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/08/23
Date Received: 03/09/23
Percent Solids: 84.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR853.D	1	03/17/23 13:45	JY	03/16/23 09:02	OP45222	ECR35
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		10-73%
4165-62-2	Phenol-d5	32%		10-64%
118-79-6	2,4,6-Tribromophenol	81%		31-130%
4165-60-0	Nitrobenzene-d5	75%		28-126%
321-60-8	2-Fluorobiphenyl	67%		26-114%
1718-51-0	Terphenyl-d14	74%		16-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	84.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4168.D	1	03/18/23 02:44	RK	03/16/23 08:35	OP45223	G9G225
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	0.0018	D016	10	0.0033	0.00098	mg/l	J
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	63%		13-169%
19719-28-9	2,4-DCAA	91%		13-169%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	84.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89423.D	1	03/17/23 00:32	RK	03/16/23 10:20	OP45224	G6G3238
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		30-137%
877-09-8	Tetrachloro-m-xylene	80%		30-137%
2051-24-3	Decachlorobiphenyl	62%		10-137%
2051-24-3	Decachlorobiphenyl	87%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	84.6
Project:	Lyndon Road Landfill		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	0.77	D005	100	0.20	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	0.11	D008	5.0	0.10	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	03/14/23	03/16/23	LM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	03/14/23	03/15/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53859
(2) Instrument QC Batch: MA53865
(3) Prep QC Batch: MP38397
(4) Prep QC Batch: MP38426

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	84.6
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	84.6		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
pH [a]	7.93		su	1	03/14/23 17:25	MM	SW846 9045D

(a) Temp of pH Reading: 13.2 Deg. C

RL = Reporting Limit

EB
80

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

5894-7371-1181

Page 1 of 1

EHSA-QAC-0023-04-FORM-Standard COC

FEDEX Tracking #: 5894-

Bottle Order Control #: 4M-0312 3-153

SGS Quote #:

SGS Job #: JD61586

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W Washington St
City: Syracuse State: NY Zip:
Project Contact: Robert.Trent@Ramboll.com E-mail:
Phone #:
Sampler(s) Name(s): RBrH, BHayne Phone #: 585 747 7650

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Road
City: Fairport State: NY
Project #: 1740102910
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

TCLP FULL ZHE, PH TCLP
TOC LK
LCID(6331)SO4, SOLIDS
LCID(633)SRDXH), SRDXEEAS
LCIDLIST 40
B8270 14DIOXANE(SOLID)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Preserved: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-EB-01-030723		1215	3/7/23	BH	G	N	EB	3					3				3	D18
2	LR-EB-01-030823		1205	3/8/23	BH	G	N	EB	3					3				3	L12T2
3	LR-EB-02-030823		1220	3/8/23	BH	G	N	EB	3					3				3	SUB
4	LR-TT06-04-05-030823		1200	3/8/23	BH	C	N	SO	6					6				3 2 2	
5	LR-TT06-0.2-1.0-030823		1210	3/8/23	BH	C	N	SO	5					5				1 2 2	
6	LR-TT09-DRUM-030823		1030	3/8/23	BH	C	N	SO	5					5				3 2	
7	LR-TT09-0.2-1.0-030823		1100	3/8/23	BH	C	N	SO	5					5				1 2 2	
8	LR-TT09-02-03-030823		0930	3/8/23	BH	C	N	SO	7					7				3 2 2	

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

Initial Assessment NA (7A)
Label Verification

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC Valid Values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

CUSTODY SEAL
08913
08917

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received by:
1			1 FedEx
2	FedEx	07/09/23 10:00	2
3			3
4			4
5			5

Custody Seal #: [ ] Intact [ ] Not intact | [ ] Absent

Therm ID: See Sample Receipt Summary

On Ice: Cooler Temp. °C: (-)

JKW

SGS Sample Receipt Summary

Job Number: JD61586 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - TEST TRENC

Date / Time Received: 3/9/2023 10:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.3);

Cooler Temps (Corrected) °C: Cooler 1: (1.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JD61586

Requested Date:	3/14/2023	**Received Date:**	3/9/2023
Account Name:	Ramboll Americas	**Due Date:**	3/21/2023
Project Description:	Lyndon Road Landfill	**Deliverable:**	NYASPB
C/O Initiated By:	MARIE_MEI **PM:** MM	**TAT (Days):**	7

==========

Sample #: JD61586-5 **Dept:**

Client ID: LR-TT06-0.2-1.0-030823 **TAT:** 7

Change: Add PHTEMP

==========

Sample #: JD61586-7 **Dept:**

Client ID: LR-TT04-0.2-1.0-030823 **TAT:** 7

Change: Add PHTEMP

Above Changes Per: **Date/Time:** 3/14/2023

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD61586

Sampling Dates: 03/07/23 - 03/08/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: 27

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD61586

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD61586-1	03/07/23	12:15	BH	03/09/23	AQ	Equipment Blank	LR-EB-01-030723
*	JD61586-2	03/08/23	12:05	BH	03/09/23	AQ	Equipment Blank	LR-EB-01-030823
*	JD61586-3	03/08/23	12:20	BH	03/09/23	AQ	Equipment Blank	LR-EB-02-030823
	JD61586-4	03/08/23	12:00	BH	03/09/23	SO	Soil	LR-TT06-04-05-030823
*	JD61586-4A	03/08/23	12:00	BH	03/09/23	SO	Soil	LR-TT06-04-05-030823
	JD61586-5	03/08/23	12:10	BH	03/09/23	SO	Soil	LR-TT06-0.2-1.0-030823
*	JD61586-5A	03/08/23	12:10	BH	03/09/23	SO	Soil	LR-TT06-0.2-1.0-030823
*	JD61586-5B	03/08/23	12:10	BH	03/09/23	SO	Soil	LR-TT06-0.2-1.0-030823
	JD61586-5C	03/08/23	12:10	BH	03/09/23	SO	Soil	LR-TT06-0.2-1.0-030823
	JD61586-6	03/08/23	10:30	BH	03/09/23	SO	Soil	LR-TT04-DRUM-030823
*	JD61586-6A	03/08/23	10:30	BH	03/09/23	SO	Soil	LR-TT04-DRUM-030823
	JD61586-7	03/08/23	11:00	BH	03/09/23	SO	Soil	LR-TT04-0.2-1.0-030823

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD61586

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD61586-7A	03/08/23	11:00	BH	03/09/23	SO	Soil	LR-TT04-0.2-1.0-030823
*	JD61586-7B	03/08/23	11:00	BH	03/09/23	SO	Soil	LR-TT04-0.2-1.0-030823
	JD61586-7C	03/08/23	11:00	BH	03/09/23	SO	Soil	LR-TT04-0.2-1.0-030823
	JD61586-8	03/08/23	09:30	BH	03/09/23	SO	Soil	LR-TT04-02-03-030823
*	JD61586-8A	03/08/23	09:30	BH	03/09/23	SO	Soil	LR-TT04-02-03-030823

* The following report applies to these samples only (14 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-EB-01-030723		
Lab Sample ID:	JD61586-1	**Date Sampled:**	03/07/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15213.D	1	03/22/23 22:42	AFL	03/20/23 09:00	F:OP95969	F:S6Q230
Run #2							

	Initial Volume	Final Volume
Run #1	570 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0070	0.0035	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0035	0.00088	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00044	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00044	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00088	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00098	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00088	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0070	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-01-030723		
Lab Sample ID:	JD61586-1	**Date Sampled:**	03/07/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0070	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0070	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0070	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0070	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	108%		20-150%
	13C5-PFPeA	106%		20-150%
	13C5-PFHxA	106%		20-150%
	13C4-PFHpA	110%		20-150%
	13C8-PFOA	101%		20-150%
	13C9-PFNA	107%		20-150%
	13C6-PFDA	96%		20-150%
	13C7-PFUnDA	99%		20-150%
	13C2-PFDoDA	93%		20-150%
	13C2-PFTeDA	74%		20-150%
	13C3-PFBS	101%		20-150%
	13C3-PFHxS	101%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-01-030723		
Lab Sample ID:	JD61586-1	**Date Sampled:**	03/07/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	96%		20-150%
	13C8-FOSA	93%		20-150%
	d3-MeFOSA	70%		20-150%
	d5-EtFOSA	76%		20-150%
	d3-MeFOSAA	102%		20-150%
	d5-EtFOSAA	91%		20-150%
	d7-MeFOSE	81%		20-150%
	d9-EtFOSE	78%		20-150%
	13C2-4:2FTS	120%		20-150%
	13C2-6:2FTS	117%		20-150%
	13C2-8:2FTS	111%		20-150%
	13C3-HFPO-DA	106%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-01-030823		
Lab Sample ID:	JD61586-2	**Date Sampled:**	03/08/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15214.D	1	03/22/23 22:56	AFL	03/20/23 09:00	F:OP95969	F:S6Q230
Run #2							

	Initial Volume	Final Volume
Run #1	570 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0070	0.0035	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0035	0.00088	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00044	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00044	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00088	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00098	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00088	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0070	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-01-030823		
Lab Sample ID:	JD61586-2	**Date Sampled:**	03/08/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0070	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0070	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0070	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0070	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	103%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	103%		20-150%
	13C4-PFHpA	104%		20-150%
	13C8-PFOA	109%		20-150%
	13C9-PFNA	102%		20-150%
	13C6-PFDA	97%		20-150%
	13C7-PFUnDA	100%		20-150%
	13C2-PFDoDA	98%		20-150%
	13C2-PFTeDA	95%		20-150%
	13C3-PFBS	100%		20-150%
	13C3-PFHxS	100%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-01-030823		
Lab Sample ID:	JD61586-2	**Date Sampled:**	03/08/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	105%		20-150%
	13C8-FOSA	103%		20-150%
	d3-MeFOSA	86%		20-150%
	d5-EtFOSA	94%		20-150%
	d3-MeFOSAA	108%		20-150%
	d5-EtFOSAA	105%		20-150%
	d7-MeFOSE	105%		20-150%
	d9-EtFOSE	103%		20-150%
	13C2-4:2FTS	126%		20-150%
	13C2-6:2FTS	134%		20-150%
	13C2-8:2FTS	105%		20-150%
	13C3-HFPO-DA	102%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-02-030823		
Lab Sample ID:	JD61586-3	**Date Sampled:**	03/08/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15215.D	1	03/22/23 23:10	AFL	03/20/23 09:00	F:OP95969	F:S6Q230
Run #2							

	Initial Volume	Final Volume
Run #1	570 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0070	0.0035	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0035	0.00088	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00044	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00044	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00088	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00098	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00088	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0070	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-02-030823		
Lab Sample ID:	JD61586-3	**Date Sampled:**	03/08/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0070	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0070	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0070	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0070	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	107%		20-150%
	13C5-PFPeA	101%		20-150%
	13C5-PFHxA	100%		20-150%
	13C4-PFHpA	101%		20-150%
	13C8-PFOA	104%		20-150%
	13C9-PFNA	95%		20-150%
	13C6-PFDA	87%		20-150%
	13C7-PFUnDA	91%		20-150%
	13C2-PFDoDA	86%		20-150%
	13C2-PFTeDA	55%		20-150%
	13C3-PFBS	99%		20-150%
	13C3-PFHxS	96%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-02-030823		
Lab Sample ID:	JD61586-3	**Date Sampled:**	03/08/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	86%		20-150%
	13C8-FOSA	87%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	85%		20-150%
	d3-MeFOSAA	87%		20-150%
	d5-EtFOSAA	93%		20-150%
	d7-MeFOSE	91%		20-150%
	d9-EtFOSE	87%		20-150%
	13C2-4:2FTS	118%		20-150%
	13C2-6:2FTS	116%		20-150%
	13C2-8:2FTS	96%		20-150%
	13C3-HFPO-DA	105%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15251.D	1	03/23/23 07:33	AFL	03/20/23 10:45	F:OP95963	F:S6Q230
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00099	0.00062	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00049	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00025	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00025	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00020	0.00025	0.00012	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00025	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00025	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00025	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00025	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00025	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00025	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00025	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00025	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00025	0.00020	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00025	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0014	0.00025	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00025	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00025	0.00018	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00025	0.00018	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00099	0.00049	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00099	0.00049	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00099	0.00074	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00025	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00025	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00025	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00025	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00025	0.00024	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0025	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0025	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00099	0.00036	mg/kg	
919005-14-4	ADONA	ND	0.00099	0.00041	mg/kg	
377-73-1	PFMPA	ND	0.00049	0.00025	mg/kg	
863090-89-5	PFMBA	ND	0.00049	0.00025	mg/kg	
151772-58-6	NFDHA	ND	0.00049	0.00030	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00099	0.00054	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00099	0.00049	mg/kg	
113507-82-7	PFEESA	ND	0.00049	0.00025	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00063	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0062	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0062	0.0016	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	85%		20-150%
	13C5-PFPeA	86%		20-150%
	13C5-PFHxA	87%		20-150%
	13C4-PFHpA	88%		20-150%
	13C8-PFOA	85%		20-150%
	13C9-PFNA	81%		20-150%
	13C6-PFDA	86%		20-150%
	13C7-PFUnDA	92%		20-150%
	13C2-PFDoDA	85%		20-150%
	13C2-PFTeDA	79%		20-150%
	13C3-PFBS	82%		20-150%
	13C3-PFHxS	83%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	80%		20-150%
	13C8-FOSA	87%		20-150%
	d3-MeFOSA	78%		20-150%
	d5-EtFOSA	74%		20-150%
	d3-MeFOSAA	88%		20-150%
	d5-EtFOSAA	90%		20-150%
	d7-MeFOSE	71%		20-150%
	d9-EtFOSE	69%		20-150%
	13C2-4:2FTS	96%		20-150%
	13C2-6:2FTS	96%		20-150%
	13C2-8:2FTS	92%		20-150%
	13C3-HFPO-DA	87%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15252.D	1	03/23/23 07:47	AFL	03/20/23 10:45	F:OP95963	F:S6Q230
Run #2							

	Initial Weight	Final Volume
Run #1	5.01 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00098	0.00061	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00049	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00019	0.00024	0.00012	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00052	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00098	0.00049	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00098	0.00049	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00098	0.00073	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00024	0.00024	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00098	0.00035	mg/kg	
919005-14-4	ADONA	ND	0.00098	0.00041	mg/kg	
377-73-1	PFMPA	ND	0.00049	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00049	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00049	0.00030	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00098	0.00054	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00098	0.00049	mg/kg	
113507-82-7	PFEESA	ND	0.00049	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00062	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0061	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0061	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	87%		20-150%
	13C5-PFPeA	87%		20-150%
	13C5-PFHxA	89%		20-150%
	13C4-PFHpA	92%		20-150%
	13C8-PFOA	87%		20-150%
	13C9-PFNA	89%		20-150%
	13C6-PFDA	83%		20-150%
	13C7-PFUnDA	89%		20-150%
	13C2-PFDoDA	83%		20-150%
	13C2-PFTeDA	78%		20-150%
	13C3-PFBS	87%		20-150%
	13C3-PFHxS	90%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	88%		20-150%
	13C8-FOSA	88%		20-150%
	d3-MeFOSA	75%		20-150%
	d5-EtFOSA	73%		20-150%
	d3-MeFOSAA	93%		20-150%
	d5-EtFOSAA	98%		20-150%
	d7-MeFOSE	75%		20-150%
	d9-EtFOSE	70%		20-150%
	13C2-4:2FTS	101%		20-150%
	13C2-6:2FTS	103%		20-150%
	13C2-8:2FTS	93%		20-150%
	13C3-HFPO-DA	86%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15255.D	1	03/23/23 08:29	AFL	03/20/23 10:45	F:OP95963	F:S6Q230
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.00067	0.0011	0.00066	mg/kg	J
2706-90-3	Perfluoropentanoic acid	0.00014	0.00053	0.00013	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00014	0.00027	0.00013	mg/kg	J
375-85-9	Perfluoroheptanoic acid	0.00013	0.00027	0.00013	mg/kg	J
335-67-1	Perfluorooctanoic acid	0.00073	0.00027	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	0.00025	0.00027	0.00015	mg/kg	J
335-76-2	Perfluorodecanoic acid	ND	0.00027	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0028	0.00027	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00080	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00027	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00027	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00027	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0027	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00053	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00053	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00053	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00058	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00053	mg/kg	
113507-82-7	PFEESA	ND	0.00053	0.00027	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00068	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0066	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0066	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	80%		20-150%
	13C5-PFHxA	81%		20-150%
	13C4-PFHpA	79%		20-150%
	13C8-PFOA	81%		20-150%
	13C9-PFNA	80%		20-150%
	13C6-PFDA	85%		20-150%
	13C7-PFUnDA	83%		20-150%
	13C2-PFDoDA	85%		20-150%
	13C2-PFTeDA	80%		20-150%
	13C3-PFBS	76%		20-150%
	13C3-PFHxS	79%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	88%		20-150%
	13C8-FOSA	91%		20-150%
	d3-MeFOSA	79%		20-150%
	d5-EtFOSA	77%		20-150%
	d3-MeFOSAA	69%		20-150%
	d5-EtFOSAA	79%		20-150%
	d7-MeFOSE	73%		20-150%
	d9-EtFOSE	70%		20-150%
	13C2-4:2FTS	96%		20-150%
	13C2-6:2FTS	89%		20-150%
	13C2-8:2FTS	85%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	84.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15256.D	1	03/23/23 08:43	AFL	03/20/23 10:45	F:OP95963	F:S6Q230
Run #2							

	Initial Weight	Final Volume
Run #1	4.96 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00095	0.00060	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00048	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00037	0.00024	0.00012	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00017	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0030	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00095	0.00048	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00095	0.00048	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00095	0.00071	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00016	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	84.6
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00024	0.00023	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00095	0.00034	mg/kg	
919005-14-4	ADONA	ND	0.00095	0.00040	mg/kg	
377-73-1	PFMPA	ND	0.00048	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00048	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00048	0.00029	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00095	0.00052	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00095	0.00048	mg/kg	
113507-82-7	PFEESA	ND	0.00048	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00061	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0060	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0060	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	83%		20-150%
	13C5-PFHxA	82%		20-150%
	13C4-PFHpA	81%		20-150%
	13C8-PFOA	79%		20-150%
	13C9-PFNA	82%		20-150%
	13C6-PFDA	79%		20-150%
	13C7-PFUnDA	80%		20-150%
	13C2-PFDoDA	79%		20-150%
	13C2-PFTeDA	77%		20-150%
	13C3-PFBS	81%		20-150%
	13C3-PFHxS	83%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	84.6
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	95%		20-150%
	13C8-FOSA	90%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	71%		20-150%
	d3-MeFOSAA	100%		20-150%
	d5-EtFOSAA	97%		20-150%
	d7-MeFOSE	75%		20-150%
	d9-EtFOSE	74%		20-150%
	13C2-4:2FTS	94%		20-150%
	13C2-6:2FTS	92%		20-150%
	13C2-8:2FTS	74%		20-150%
	13C3-HFPO-DA	81%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

EB
80

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

5894-7371-1181

Page 1 of 1

EHSA-QAC-0023-04-FORM-Standard COC

FEDEX Tracking #: 5894-7371-1181
Bottle Order Control #: 1AM-03123-153
SGS Quote #:
SGS Job #: JD61586

Client / Reporting Information

Company Name: Rambull
Street Address: 333 W Washington St
City: Syracuse State: NY Zip:
Project Contact: Robert.Trent@Rambull.com E-mail:
Phone #:
Sampler(s) Name(s): RBrH, BHayne Phone #: 585 747 7650

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Road
City: Fairport State: NY
Project #: 17401029.10
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

TCLP FULL ZHE, PH TCLP
TOC LK
LCID 6231 SPAD, SOLIDA
LCID 6233 SPLOXH, SPLOXEFAS
LCID LIST 40
B8270 14DIOXWSOLIDS

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Preserved: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-EB-01-030723		1215	3/7/23	BH	G	N	EB	3					3				3	D18
2	LR-EB-01-030823		1205	3/8/23	BH	G	N	EB	3					3				3	L12T2
3	LR-EB-02-030823		1220	3/8/23	BH	G	N	EB	3					3				3	SUB
4	LR-TT06-04-05-030823		1200	3/8/23	BH	C	N	SO	6					6				3 2 2	
5	LR-TT06-0.2-1.0-030823		1210	3/8/23	BH	C	N	SO	5					5				1 2 2	
6	LR-TT09-DRUM-030823		1030	3/8/23	BH	C	N	SO	5					5				3 2	
7	LR-TT09-0.2-1.0-030823		1100	3/8/23	BH	C	N	SO	5					5				1 2 2	
8	LR-TT09-02-03-030823		0930	3/8/23	BH	C	N	SO	7					7				3 2 2	

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

Initial Assessment: NA (7A)
Label Verification: DT

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC Valid Values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

CUSTODY SEAL
08913
08917

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		1 FedEx	2 FedEx	03/09/23 10:00	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: See Sample Receipt Summary; On Ice; Cooler Temp. °C (-.)

FKW

SGS Sample Receipt Summary

Job Number: JD61586 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - TEST TRENC

Date / Time Received: 3/9/2023 10:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.3);

Cooler Temps (Corrected) °C: Cooler 1: (1.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JD61586

Requested Date:	3/14/2023	**Received Date:**	3/9/2023
Account Name:	Ramboll Americas	**Due Date:**	3/21/2023
Project Description:	Lyndon Road Landfill	**Deliverable:**	NYASPB
C/O Initiated By:	MARIE_MEI **PM:** MM	**TAT (Days):**	7

==========

Sample #: JD61586-5 **Dept:**

Client ID: LR-TT06-0.2-1.0-030823 **TAT:** 7

Change: Add PHTEMP

==========

Sample #: JD61586-7 **Dept:**

Client ID: LR-TT04-0.2-1.0-030823 **TAT:** 7

Change: Add PHTEMP

Above Changes Per: **Date/Time:** 3/14/2023

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas Engineering Solutions

Lyndon Road Landfill

1940102910

SGS Job Number: JD61586R

Sampling Date: 03/08/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **18**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas Engineering Solutions

Job No: JD61586R

Lyndon Road Landfill
Project No: 1940102910

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD61586-5BR	03/08/23	12:10	BH	03/09/23	SO	Soil	LR-TT06-0.2-1.0-030823
JD61586-6AR	03/08/23	10:30	BH	03/09/23	SO	Soil	LR-TT04-DRUM-030823
JD61586-7BR	03/08/23	11:00	BH	03/09/23	SO	Soil	LR-TT04-0.2-1.0-030823

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5BR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15270.D	1	03/23/23 13:40	AFL	03/22/23 10:23	F:OP96013	F:S6Q231
Run #2							

	Initial Volume	Final Volume
Run #1	60.0 ml	5.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	ND		0.067	0.033	ug/l	
2706-90-3	Perfluoropentanoic acid	ND		0.033	0.0083	ug/l	
307-24-4	Perfluorohexanoic acid	ND		0.017	0.0042	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.017	0.0042	ug/l	
335-67-1	Perfluorooctanoic acid	ND		0.017	0.0042	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.017	0.0051	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.017	0.0042	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.017	0.0050	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.017	0.0050	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.017	0.0070	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.017	0.0042	ug/l	
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND		0.017	0.0083	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND		0.017	0.0093	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.017	0.0083	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND		0.017	0.0083	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND		0.017	0.0083	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND		0.017	0.0083	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND		0.017	0.0083	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND		0.017	0.0095	ug/l	
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2-FTS	ND		0.067	0.033	ug/l	
27619-97-2	6:2-FTS	ND		0.067	0.033	ug/l	
39108-34-4	8:2-FTS	ND		0.067	0.034	ug/l	
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND		0.017	0.0083	ug/l	
31506-32-8	MeFOSA	ND		0.017	0.0083	ug/l	
4151-50-2	EtFOSA	ND		0.017	0.0083	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5BR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	ND		0.017	0.0083	ug/l	
2991-50-6	EtFOSAA	ND		0.017	0.011	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS							
24448-09-7	MeFOSE	ND		0.17	0.083	ug/l	
1691-99-2	EtFOSE	ND		0.17	0.083	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS							
13252-13-6	HFPO-DA (GenX)	ND		0.033	0.0083	ug/l	
919005-14-4	ADONA	ND		0.067	0.017	ug/l	
377-73-1	PFMPA	ND		0.033	0.0083	ug/l	
863090-89-5	PFMBA	ND		0.033	0.0095	ug/l	
151772-58-6	NFDHA	ND		0.033	0.010	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS							
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND		0.067	0.017	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND		0.067	0.017	ug/l	
113507-82-7	PFEESA	ND		0.033	0.0083	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS							
356-02-5	3:3-FTCA	ND		0.083	0.042	ug/l	
914637-49-3	5:3-FTCA	ND		0.42	0.083	ug/l	
812-70-4	7:3-FTCA	ND		0.42	0.083	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	105%		20-150%
	13C5-PFPeA	109%		20-150%
	13C5-PFHxA	109%		20-150%
	13C4-PFHpA	109%		20-150%
	13C8-PFOA	106%		20-150%
	13C9-PFNA	97%		20-150%
	13C6-PFDA	78%		20-150%
	13C7-PFUnDA	70%		20-150%
	13C2-PFDoDA	61%		20-150%
	13C2-PFTeDA	54%		20-150%
	13C3-PFBS	108%		20-150%
	13C3-PFHxS	99%		20-150%

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MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5BR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	81%		20-150%
	13C8-FOSA	83%		20-150%
	d3-MeFOSA	66%		20-150%
	d5-EtFOSA	58%		20-150%
	d3-MeFOSAA	78%		20-150%
	d5-EtFOSAA	75%		20-150%
	d7-MeFOSE	70%		20-150%
	d9-EtFOSE	64%		20-150%
	13C2-4:2FTS	129%		20-150%
	13C2-6:2FTS	129%		20-150%
	13C2-8:2FTS	100%		20-150%
	13C3-HFPO-DA	105%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5BR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	81.8
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dry Weight, SPLP Leachate [a]	0.03700		kg	1	03/21/24 14:00	AFL	SW846 1312
Volume, SPLP Leachate [a]	0.9000		l	1	03/21/24 14:00	AFL	SW846 1312
Weight, SPLP Leachate [a]	0.04540		kg	1	03/21/24 14:00	AFL	SW846 1312
pH, SPLP Leachate [a]	7.62		su	1	03/21/24 14:00	AFL	SW846 1312

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: LR-TT04-DRUM-030823
Lab Sample ID: JD61586-6AR
Matrix: SO - Soil
Method: EPA 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/08/23
Date Received: 03/09/23
Percent Solids: 73.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15272.D	1	03/23/23 14:08	AFL	03/22/23 10:23	F:OP96013	F:S6Q231
Run #2							

	Initial Volume	Final Volume
Run #1	60.0 ml	5.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	ND		0.067	0.033	ug/l	
2706-90-3	Perfluoropentanoic acid	ND		0.033	0.0083	ug/l	
307-24-4	Perfluorohexanoic acid	ND		0.017	0.0042	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.017	0.0042	ug/l	
335-67-1	Perfluorooctanoic acid	0.0198		0.017	0.0042	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.017	0.0051	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.017	0.0042	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.017	0.0050	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.017	0.0050	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.017	0.0070	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.017	0.0042	ug/l	
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND		0.017	0.0083	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND		0.017	0.0093	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.017	0.0083	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND		0.017	0.0083	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.126		0.017	0.0083	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND		0.017	0.0083	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND		0.017	0.0083	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND		0.017	0.0095	ug/l	
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2-FTS	ND		0.067	0.033	ug/l	
27619-97-2	6:2-FTS	ND		0.067	0.033	ug/l	
39108-34-4	8:2-FTS	ND		0.067	0.034	ug/l	
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND		0.017	0.0083	ug/l	
31506-32-8	MeFOSA	ND		0.017	0.0083	ug/l	
4151-50-2	EtFOSA	ND		0.017	0.0083	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-030823		
Lab Sample ID:	JD61586-6AR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	73.4
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	ND		0.017	0.0083	ug/l	
2991-50-6	EtFOSAA	ND		0.017	0.011	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS							
24448-09-7	MeFOSE	ND		0.17	0.083	ug/l	
1691-99-2	EtFOSE	ND		0.17	0.083	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS							
13252-13-6	HFPO-DA (GenX)	ND		0.033	0.0083	ug/l	
919005-14-4	ADONA	ND		0.067	0.017	ug/l	
377-73-1	PFMPA	ND		0.033	0.0083	ug/l	
863090-89-5	PFMBA	ND		0.033	0.0095	ug/l	
151772-58-6	NFDHA	ND		0.033	0.010	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS							
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND		0.067	0.017	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND		0.067	0.017	ug/l	
113507-82-7	PFEESA	ND		0.033	0.0083	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS							
356-02-5	3:3-FTCA	ND		0.083	0.042	ug/l	
914637-49-3	5:3-FTCA	ND		0.42	0.083	ug/l	
812-70-4	7:3-FTCA	ND		0.42	0.083	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	94%		20-150%
	13C5-PFHxA	98%		20-150%
	13C4-PFHpA	97%		20-150%
	13C8-PFOA	91%		20-150%
	13C9-PFNA	103%		20-150%
	13C6-PFDA	86%		20-150%
	13C7-PFUnDA	87%		20-150%
	13C2-PFDoDA	86%		20-150%
	13C2-PFTeDA	57%		20-150%
	13C3-PFBS	86%		20-150%
	13C3-PFHxS	98%		20-150%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-030823		
Lab Sample ID:	JD61586-6AR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	73.4
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	93%		20-150%
	13C8-FOSA	91%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	87%		20-150%
	d3-MeFOSAA	84%		20-150%
	d5-EtFOSAA	90%		20-150%
	d7-MeFOSE	80%		20-150%
	d9-EtFOSE	74%		20-150%
	13C2-4:2FTS	105%		20-150%
	13C2-6:2FTS	106%		20-150%
	13C2-8:2FTS	90%		20-150%
	13C3-HFPO-DA	95%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-030823		
Lab Sample ID:	JD61586-6AR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	73.4
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dry Weight, SPLP Leachate [a]	0.03300		kg	1	03/21/24 14:00	AFL	SW846 1312
Volume, SPLP Leachate [a]	0.9000		l	1	03/21/24 14:00	AFL	SW846 1312
Weight, SPLP Leachate [a]	0.04530		kg	1	03/21/24 14:00	AFL	SW846 1312
pH, SPLP Leachate [a]	7.94		su	1	03/21/24 14:00	AFL	SW846 1312

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7BR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15273.D	1	03/23/23 14:22	AFL	03/22/23 10:23	F:OP96013	F:S6Q231
Run #2							

	Initial Volume	Final Volume
Run #1	60.0 ml	5.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	ND		0.067	0.033	ug/l	
2706-90-3	Perfluoropentanoic acid	ND		0.033	0.0083	ug/l	
307-24-4	Perfluorohexanoic acid	ND		0.017	0.0042	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.017	0.0042	ug/l	
335-67-1	Perfluorooctanoic acid	0.0138		0.017	0.0042	ug/l	J
375-95-1	Perfluorononanoic acid	ND		0.017	0.0051	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.017	0.0042	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.017	0.0050	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.017	0.0050	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.017	0.0070	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.017	0.0042	ug/l	
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND		0.017	0.0083	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND		0.017	0.0093	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.017	0.0083	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND		0.017	0.0083	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0239		0.017	0.0083	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND		0.017	0.0083	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND		0.017	0.0083	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND		0.017	0.0095	ug/l	
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2-FTS	ND		0.067	0.033	ug/l	
27619-97-2	6:2-FTS	ND		0.067	0.033	ug/l	
39108-34-4	8:2-FTS	ND		0.067	0.034	ug/l	
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND		0.017	0.0083	ug/l	
31506-32-8	MeFOSA	ND		0.017	0.0083	ug/l	
4151-50-2	EtFOSA	ND		0.017	0.0083	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7BR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	ND		0.017	0.0083	ug/l	
2991-50-6	EtFOSAA	ND		0.017	0.011	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS							
24448-09-7	MeFOSE	ND		0.17	0.083	ug/l	
1691-99-2	EtFOSE	ND		0.17	0.083	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS							
13252-13-6	HFPO-DA (GenX)	ND		0.033	0.0083	ug/l	
919005-14-4	ADONA	ND		0.067	0.017	ug/l	
377-73-1	PFMPA	ND		0.033	0.0083	ug/l	
863090-89-5	PFMBA	ND		0.033	0.0095	ug/l	
151772-58-6	NFDHA	ND		0.033	0.010	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS							
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND		0.067	0.017	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND		0.067	0.017	ug/l	
113507-82-7	PFEESA	ND		0.033	0.0083	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS							
356-02-5	3:3-FTCA	ND		0.083	0.042	ug/l	
914637-49-3	5:3-FTCA	ND		0.42	0.083	ug/l	
812-70-4	7:3-FTCA	ND		0.42	0.083	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	98%		20-150%
	13C5-PFPeA	100%		20-150%
	13C5-PFHxA	105%		20-150%
	13C4-PFHpA	97%		20-150%
	13C8-PFOA	96%		20-150%
	13C9-PFNA	93%		20-150%
	13C6-PFDA	86%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	82%		20-150%
	13C2-PFTeDA	66%		20-150%
	13C3-PFBS	95%		20-150%
	13C3-PFHxS	95%		20-150%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7BR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	88%		20-150%
	13C8-FOSA	90%		20-150%
	d3-MeFOSA	77%		20-150%
	d5-EtFOSA	77%		20-150%
	d3-MeFOSAA	91%		20-150%
	d5-EtFOSAA	88%		20-150%
	d7-MeFOSE	85%		20-150%
	d9-EtFOSE	81%		20-150%
	13C2-4:2FTS	112%		20-150%
	13C2-6:2FTS	118%		20-150%
	13C2-8:2FTS	85%		20-150%
	13C3-HFPO-DA	102%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7BR	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	75.7
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dry Weight, SPLP Leachate [a]	0.03400		kg	1	03/21/24 14:00	AFL	SW846 1312
Volume, SPLP Leachate [a]	0.9000		l	1	03/21/24 14:00	AFL	SW846 1312
Weight, SPLP Leachate [a]	0.04500		kg	1	03/21/24 14:00	AFL	SW846 1312
pH, SPLP Leachate [a]	7.87		su	1	03/21/24 14:00	AFL	SW846 1312

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

EB
80

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

5894-7371-1181

Page 1 of 1

EHSA-QAC-0023-04-FORM-Standard COC

FEDEX Tracking #: 5894-

Bottle Order Control #: 4M-0312 3-153

SGS Quote #:

SGS Job #: JD61586

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W Washington St
City: Syracuse State: NY Zip:
Project Contact: Robert.Trent@Ramboll.com E-mail:
Phone #:
Sampler(s) Name(s): RBrH, BHayne Phone #: 585 747 7650

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Road
City: Fairport State: NY
Project #: 1740102910
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

TCLP Full, ZHC, pH TCLP
TOC LK
LCID (623) SOLID, SOLIDA
LCID (1633) SOLID, SOLIDXH, SOLID-PFAS
LCID LIST 40
B8270 14DIOXANE (SOLID)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Preserved: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-EB-01-030723		1215	3/7/23	BH	G	N	EB	3					3				3	D18
2	LR-EB-01-030823		1205	3/8/23	BH	G	N	EB	3					3				3	L12 T2
3	LR-EB-02-030823		1220	3/8/23	BH	G	N	EB	3					3				3	SUB
4	LR-TT06-04-05-030823		1200	3/8/23	BH	C	N	SO	6					6				3 2 2	
5	LR-TT06-0.2-1.0-030823		1210	3/8/23	BH	C	N	SO	5					5				1 2 2	
6	LR-TT09-DRUM-030823		1030	3/8/23	BH	C	N	SO	5					5				3 2	
7	LR-TT09-0.2-1.0-030823		1100	3/8/23	BH	C	N	SO	5					5				1 2 2	
8	LR-TT09-02-03-030823		0930	3/8/23	BH	C	N	SO	7					7				3 2 2	

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

Initial Assessment: NA (7A)
Label Verification: DT

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC Valid Values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

CUSTODY SEAL
08913
08917

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received by:	Relinquished by:	Date / Time:	Received by:
1		1 FedEx	2 FedEx	03/09/23 10:00	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: See Sample Receipt Summary; On Ice; Cooler Temp. °C: 1.7

FKW

SGS Sample Receipt Summary

Job Number: JD61586 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - TEST TRENC

Date / Time Received: 3/9/2023 10:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.3);

Cooler Temps (Corrected) °C: Cooler 1: (1.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JD61586

Requested Date:	3/14/2023	**Received Date:**	3/9/2023
Account Name:	Ramboll Americas	**Due Date:**	3/21/2023
Project Description:	Lyndon Road Landfill	**Deliverable:**	NYASPB
C/O Initiated By:	MARIE_MEI **PM:** MM	**TAT (Days):**	7

==========

Sample #: JD61586-5 **Dept:**

Client ID: LR-TT06-0.2-1.0-030823 **TAT:** 7

Change: Add PHTEMP

==========

Sample #: JD61586-7 **Dept:**

Client ID: LR-TT04-0.2-1.0-030823 **TAT:** 7

Change: Add PHTEMP

Above Changes Per: **Date/Time:** 3/14/2023

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JD61586

Requested Date:	3/19/2024	**Received Date:**	3/9/2023
Account Name:	Ramboll Americas Engineering So	**Due Date:**	3/19/2024
Project Description:	Lyndon Road Landfill	**Deliverable:**	NYASPB
C/O Initiated By:	MICHELLE_ **PM:** MM	**TAT (Days):**	14

Sample #: JD61586-5B **Dept:**
Client ID: LR-TT06-0.2-1.0-030823 **TAT:** 14
Change: Relog for LCID1633SPLPLIST40AO and SPLPRATIO

Sample #: JD61586-6A **Dept:**
Client ID: LR-TT04-DRUM-030823 **TAT:** 14
Change: Relog for LCID1633SPLPLIST40AO and SPLPRATIO

Sample #: JD61586-7B **Dept:**
Client ID: LR-TT04-0.2-1.0-030823 **TAT:** 14
Change: Relog for LCID1633SPLPLIST40AO and SPLPRATIO

Above Changes Per: **Date/Time:** 3/19/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD61598

Sampling Date: 03/07/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: 37

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD61598

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD61598-1	03/07/23	15:15	BH	03/09/23	AQ	Trip Blank Soil	LR-TB-030723
	JD61598-2	03/07/23	00:00	BH	03/09/23	SO	Soil	DUP-030723
*	JD61598-2A	03/07/23	00:00	BH	03/09/23	SO	Soil	DUP-030723
	JD61598-2C	03/07/23	00:00	BH	03/09/23	SO	Soil	DUP-030723
	JD61598-3	03/07/23	10:15	BH	03/09/23	SO	Soil	LR-TT01-0.0-0.2-030723
*	JD61598-3A	03/07/23	10:15	BH	03/09/23	SO	Soil	LR-TT01-0.0-0.2-030723
	JD61598-4	03/07/23	10:30	BH	03/09/23	SO	Soil	LR-TT01-0.2-1.0-030723
*	JD61598-4A	03/07/23	10:30	BH	03/09/23	SO	Soil	LR-TT01-0.2-1.0-030723
*	JD61598-4B	03/07/23	10:30	BH	03/09/23	SO	Soil	LR-TT01-0.2-1.0-030723
	JD61598-4C	03/07/23	10:30	BH	03/09/23	SO	Soil	LR-TT01-0.2-1.0-030723
	JD61598-5	03/07/23	11:40	BH	03/09/23	SO	Soil	LR-TT01-05-06-030723
*	JD61598-6	03/07/23	11:35	BH	03/09/23	SO	Soil	LR-TT01-FILL-030723

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD61598

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD61598-7	03/07/23	11:10	BH	03/09/23	SO	Soil	LR-TT07-0.2-1.0-030723
*	JD61598-7A	03/07/23	11:10	BH	03/09/23	SO	Soil	LR-TT07-0.2-1.0-030723
*	JD61598-7B	03/07/23	11:10	BH	03/09/23	SO	Soil	LR-TT07-0.2-1.0-030723
	JD61598-7C	03/07/23	11:10	BH	03/09/23	SO	Soil	LR-TT07-0.2-1.0-030723
	JD61598-8	03/07/23	10:00	BH	03/09/23	SO	Soil	LR-TT07-04-05-030723
*	JD61598-8A	03/07/23	10:00	BH	03/09/23	SO	Soil	LR-TT07-04-05-030723
	JD61598-9	03/07/23	14:00	BH	03/09/23	SO	Soil	LR-TT02-0.2-1.0-030723
*	JD61598-9A	03/07/23	14:00	BH	03/09/23	SO	Soil	LR-TT02-0.2-1.0-030723
*	JD61598-9AD	03/07/23	14:00	BH	03/09/23	SO	Soil Dup/MSD	LR-TT02-0.2-1.0-030723_MSD
*	JD61598-9AS	03/07/23	14:00	BH	03/09/23	SO	Soil Matrix Spike	LR-TT02-0.2-1.0-030723_MS
*	JD61598-9B	03/07/23	14:00	BH	03/09/23	SO	Soil	LR-TT02-0.2-1.0-030723
	JD61598-9C	03/07/23	14:00	BH	03/09/23	SO	Soil	LR-TT02-0.2-1.0-030723
	JD61598-9D	03/07/23	14:00	BH	03/09/23	SO	Soil Dup/MSD	LR-TT02-0.2-1.0-030723_MSD

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD61598

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD61598-9DC	03/07/23	14:00	BH	03/09/23	SO	Soil Dup/MSD	LR-TT02-0.2-1.0-030723_MSD
	JD61598-9S	03/07/23	14:00	BH	03/09/23	SO	Soil Matrix Spike	LR-TT02-0.2-1.0-030723_MS
	JD61598-10	03/07/23	14:00	BH	03/09/23	SO	Soil	LR-TT02-0.0-0.2-030723
*	JD61598-10A	03/07/23	14:00	BH	03/09/23	SO	Soil	LR-TT02-0.0-0.2-030723
	JD61598-11	03/07/23	15:05	BH	03/09/23	SO	Soil	LR-TT03-0.0-0.2-030723
*	JD61598-11A	03/07/23	15:05	BH	03/09/23	SO	Soil	LR-TT03-0.0-0.2-030723
	JD61598-12	03/07/23	15:10	BH	03/09/23	SO	Soil	LR-TT03-0.2-1.0-030723
*	JD61598-12A	03/07/23	15:10	BH	03/09/23	SO	Soil	LR-TT03-0.2-1.0-030723
*	JD61598-12B	03/07/23	15:10	BH	03/09/23	SO	Soil	LR-TT03-0.2-1.0-030723
	JD61598-12C	03/07/23	15:10	BH	03/09/23	SO	Soil	LR-TT03-0.2-1.0-030723
	JD61598-13	03/07/23	15:15	BH	03/09/23	SO	Soil	LR-TT03-05-06-030723

* The following report applies to these samples only (14 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16158.D	1	04/06/23 02:23	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.05 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00067	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00021	0.00054	0.00013	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00020	0.00027	0.00013	mg/kg	J
375-85-9	Perfluoroheptanoic acid	0.00025	0.00027	0.00013	mg/kg	J
335-67-1	Perfluorooctanoic acid	0.0012	0.00027	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	0.00016	0.00027	0.00015	mg/kg	J
335-76-2	Perfluorodecanoic acid	0.00019	0.00027	0.00013	mg/kg	J
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00020	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0017	0.00027	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00081	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00027	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00027	0.00014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00027	0.00027	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0027	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00039	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00054	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00054	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00054	0.00033	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00059	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00054	mg/kg	
113507-82-7	PFEESA	ND	0.00054	0.00027	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00069	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0067	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0067	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	88%		20-150%
	13C5-PFPeA	89%		20-150%
	13C5-PFHxA	100%		20-150%
	13C4-PFHpA	92%		20-150%
	13C8-PFOA	88%		20-150%
	13C9-PFNA	85%		20-150%
	13C6-PFDA	88%		20-150%
	13C7-PFUnDA	91%		20-150%
	13C2-PFDoDA	83%		20-150%
	13C2-PFTeDA	76%		20-150%
	13C3-PFBS	84%		20-150%
	13C3-PFHxS	81%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	103%		20-150%
	13C8-FOSA	90%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	74%		20-150%
	d3-MeFOSAA	108%		20-150%
	d5-EtFOSAA	101%		20-150%
	d7-MeFOSE	61%		20-150%
	d9-EtFOSE	57%		20-150%
	13C2-4:2FTS	102%		20-150%
	13C2-6:2FTS	95%		20-150%
	13C2-8:2FTS	78%		20-150%
	13C3-HFPO-DA	86%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-0.0-0.2-030723		
Lab Sample ID:	JD61598-3A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	3.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16159.D	1	04/06/23 02:37	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0221	0.025	0.016	mg/kg	J
2706-90-3	Perfluoropentanoic acid	0.0068	0.013	0.0031	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.0049	0.0063	0.0031	mg/kg	J
375-85-9	Perfluoroheptanoic acid	0.0066	0.0063	0.0031	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0550	0.0063	0.0031	mg/kg	
375-95-1	Perfluorononanoic acid	0.0086	0.0063	0.0036	mg/kg	
335-76-2	Perfluorodecanoic acid	0.0048	0.0063	0.0031	mg/kg	J
2058-94-8	Perfluoroundecanoic acid	0.0048	0.0063	0.0042	mg/kg	J
307-55-1	Perfluorododecanoic acid	ND	0.0063	0.0031	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.0063	0.0032	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.0063	0.0031	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0063	0.0031	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0063	0.0049	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0063	0.0050	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0063	0.0046	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0461	0.0063	0.0031	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0063	0.0057	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0063	0.0045	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0063	0.0047	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.025	0.013	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.025	0.013	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.025	0.019	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0063	0.0031	mg/kg	
31506-32-8	MeFOSA	ND	0.0063	0.0043	mg/kg	
4151-50-2	EtFOSA	ND	0.0063	0.0032	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-0.0-0.2-030723		
Lab Sample ID:	JD61598-3A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	3.2
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0063	0.0050	mg/kg	
2991-50-6	EtFOSAA	ND	0.0063	0.0062	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.063	0.031	mg/kg	
1691-99-2	EtFOSE	ND	0.063	0.031	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.025	0.0091	mg/kg	
919005-14-4	ADONA	ND	0.025	0.011	mg/kg	
377-73-1	PFMPA	ND	0.013	0.0063	mg/kg	
863090-89-5	PFMBA	ND	0.013	0.0063	mg/kg	
151772-58-6	NFDHA	ND	0.013	0.0077	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.025	0.014	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.025	0.013	mg/kg	
113507-82-7	PFEESA	ND	0.013	0.0063	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.031	0.016	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.16	0.036	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.16	0.040	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	93%		20-150%
	13C5-PFPeA	91%		20-150%
	13C5-PFHxA	90%		20-150%
	13C4-PFHpA	88%		20-150%
	13C8-PFOA	90%		20-150%
	13C9-PFNA	90%		20-150%
	13C6-PFDA	90%		20-150%
	13C7-PFUnDA	93%		20-150%
	13C2-PFDoDA	87%		20-150%
	13C2-PFTeDA	81%		20-150%
	13C3-PFBS	79%		20-150%
	13C3-PFHxS	85%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-0.0-0.2-030723		
Lab Sample ID:	JD61598-3A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	3.2
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	89%		20-150%
	13C8-FOSA	90%		20-150%
	d3-MeFOSA	87%		20-150%
	d5-EtFOSA	77%		20-150%
	d3-MeFOSAA	103%		20-150%
	d5-EtFOSAA	106%		20-150%
	d7-MeFOSE	66%		20-150%
	d9-EtFOSE	59%		20-150%
	13C2-4:2FTS	102%		20-150%
	13C2-6:2FTS	100%		20-150%
	13C2-8:2FTS	79%		20-150%
	13C3-HFPO-DA	86%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT01-0.2-1.0-030723
Lab Sample ID: JD61598-4A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 72.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16160.D	1	04/06/23 02:51	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0013	0.0011	0.00070	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00034	0.00056	0.00014	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00026	0.00028	0.00014	mg/kg	J
375-85-9	Perfluoroheptanoic acid	0.00026	0.00028	0.00014	mg/kg	J
335-67-1	Perfluorooctanoic acid	0.0020	0.00028	0.00014	mg/kg	
375-95-1	Perfluorononanoic acid	0.00024	0.00028	0.00016	mg/kg	J
335-76-2	Perfluorodecanoic acid	0.00015	0.00028	0.00014	mg/kg	J
2058-94-8	Perfluoroundecanoic acid	0.00020	0.00028	0.00019	mg/kg	J
307-55-1	Perfluorododecanoic acid	ND	0.00028	0.00014	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00028	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00028	0.00014	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00028	0.00014	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00028	0.00022	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00028	0.00022	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00028	0.00020	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00098	0.00028	0.00014	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00028	0.00025	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00028	0.00020	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00028	0.00021	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00056	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00056	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00084	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00028	0.00014	mg/kg	
31506-32-8	MeFOSA	ND	0.00028	0.00019	mg/kg	
4151-50-2	EtFOSA	ND	0.00028	0.00014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-0.2-1.0-030723		
Lab Sample ID:	JD61598-4A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00028	0.00022	mg/kg	
2991-50-6	EtFOSAA	ND	0.00028	0.00028	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0028	0.0014	mg/kg	
1691-99-2	EtFOSE	ND	0.0028	0.0014	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00040	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00047	mg/kg	
377-73-1	PFMPA	ND	0.00056	0.00028	mg/kg	
863090-89-5	PFMBA	ND	0.00056	0.00028	mg/kg	
151772-58-6	NFDHA	ND	0.00056	0.00034	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00061	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00056	mg/kg	
113507-82-7	PFEESA	ND	0.00056	0.00028	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00071	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0070	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0070	0.0018	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	84%		20-150%
	13C5-PFPeA	81%		20-150%
	13C5-PFHxA	86%		20-150%
	13C4-PFHpA	85%		20-150%
	13C8-PFOA	87%		20-150%
	13C9-PFNA	84%		20-150%
	13C6-PFDA	80%		20-150%
	13C7-PFUnDA	81%		20-150%
	13C2-PFDoDA	73%		20-150%
	13C2-PFTeDA	70%		20-150%
	13C3-PFBS	82%		20-150%
	13C3-PFHxS	80%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-0.2-1.0-030723		
Lab Sample ID:	JD61598-4A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	81%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	73%		20-150%
	d5-EtFOSA	66%		20-150%
	d3-MeFOSAA	88%		20-150%
	d5-EtFOSAA	89%		20-150%
	d7-MeFOSE	58%		20-150%
	d9-EtFOSE	55%		20-150%
	13C2-4:2FTS	94%		20-150%
	13C2-6:2FTS	93%		20-150%
	13C2-8:2FTS	82%		20-150%
	13C3-HFPO-DA	80%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT07-0.2-1.0-030723		
Lab Sample ID:	JD61598-7A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	82.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16161.D	1	04/06/23 03:05	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00098	0.00061	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00049	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00017	0.00024	0.00012	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00075	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00098	0.00049	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00098	0.00049	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00098	0.00073	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT07-0.2-1.0-030723		
Lab Sample ID:	JD61598-7A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	82.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00024	0.00024	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00098	0.00035	mg/kg	
919005-14-4	ADONA	ND	0.00098	0.00041	mg/kg	
377-73-1	PFMPA	ND	0.00049	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00049	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00049	0.00030	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00098	0.00054	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00098	0.00049	mg/kg	
113507-82-7	PFEESA	ND	0.00049	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00062	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0061	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0061	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	81%		20-150%
	13C5-PFHxA	84%		20-150%
	13C4-PFHpA	80%		20-150%
	13C8-PFOA	78%		20-150%
	13C9-PFNA	82%		20-150%
	13C6-PFDA	88%		20-150%
	13C7-PFUnDA	85%		20-150%
	13C2-PFDoDA	76%		20-150%
	13C2-PFTeDA	70%		20-150%
	13C3-PFBS	79%		20-150%
	13C3-PFHxS	79%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT07-0.2-1.0-030723		
Lab Sample ID:	JD61598-7A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	82.0
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	76%		20-150%
	13C8-FOSA	78%		20-150%
	d3-MeFOSA	73%		20-150%
	d5-EtFOSA	69%		20-150%
	d3-MeFOSAA	94%		20-150%
	d5-EtFOSAA	94%		20-150%
	d7-MeFOSE	56%		20-150%
	d9-EtFOSE	55%		20-150%
	13C2-4:2FTS	97%		20-150%
	13C2-6:2FTS	85%		20-150%
	13C2-8:2FTS	86%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT07-04-05-030723		
Lab Sample ID:	JD61598-8A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16162.D	1	04/06/23 03:19	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	4.96 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00064	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00051	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00026	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00076	0.00026	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00026	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00020	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00020	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0043	0.00026	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00023	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00018	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00019	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00077	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT07-04-05-030723		
Lab Sample ID:	JD61598-8A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00020	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00025	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00037	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00043	mg/kg	
377-73-1	PFMPA	ND	0.00051	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00051	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00051	0.00031	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00056	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00051	mg/kg	
113507-82-7	PFEESA	ND	0.00051	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00065	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0064	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0064	0.0016	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	96%		20-150%
	13C5-PFHxA	98%		20-150%
	13C4-PFHpA	96%		20-150%
	13C8-PFOA	84%		20-150%
	13C9-PFNA	85%		20-150%
	13C6-PFDA	81%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	76%		20-150%
	13C2-PFTeDA	70%		20-150%
	13C3-PFBS	81%		20-150%
	13C3-PFHxS	75%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT07-04-05-030723		
Lab Sample ID:	JD61598-8A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.0
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	82%		20-150%
	13C8-FOSA	75%		20-150%
	d3-MeFOSA	69%		20-150%
	d5-EtFOSA	60%		20-150%
	d3-MeFOSAA	81%		20-150%
	d5-EtFOSAA	86%		20-150%
	d7-MeFOSE	51%		20-150%
	d9-EtFOSE	50%		20-150%
	13C2-4:2FTS	88%		20-150%
	13C2-6:2FTS	95%		20-150%
	13C2-8:2FTS	91%		20-150%
	13C3-HFPO-DA	89%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16165.D	1	04/06/23 04:01	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	4.96 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00063	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00021	0.00051	0.00013	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00018	0.00025	0.00013	mg/kg	J
375-85-9	Perfluoroheptanoic acid	0.00021	0.00025	0.00013	mg/kg	J
335-67-1	Perfluorooctanoic acid	0.0010	0.00025	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	0.00018	0.00025	0.00015	mg/kg	J
335-76-2	Perfluorodecanoic acid	0.00015	0.00025	0.00013	mg/kg	J
2058-94-8	Perfluoroundecanoic acid	ND	0.00025	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00025	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00025	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00025	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00025	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00025	0.00020	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00025	0.00020	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00025	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0024	0.00025	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00025	0.00023	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00025	0.00018	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00025	0.00019	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00076	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00025	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00025	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00025	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00025	0.00020	mg/kg	
2991-50-6	EtFOSAA	ND	0.00025	0.00025	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0025	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0025	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00037	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00043	mg/kg	
377-73-1	PFMPA	ND	0.00051	0.00025	mg/kg	
863090-89-5	PFMBA	ND	0.00051	0.00025	mg/kg	
151772-58-6	NFDHA	ND	0.00051	0.00031	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00056	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00051	mg/kg	
113507-82-7	PFEESA	ND	0.00051	0.00025	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00064	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0063	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0063	0.0016	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	81%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	85%		20-150%
	13C4-PFHpA	83%		20-150%
	13C8-PFOA	80%		20-150%
	13C9-PFNA	74%		20-150%
	13C6-PFDA	89%		20-150%
	13C7-PFUnDA	84%		20-150%
	13C2-PFDoDA	75%		20-150%
	13C2-PFTeDA	67%		20-150%
	13C3-PFBS	76%		20-150%
	13C3-PFHxS	78%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	81%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	66%		20-150%
	d5-EtFOSA	52%		20-150%
	d3-MeFOSAA	98%		20-150%
	d5-EtFOSAA	92%		20-150%
	d7-MeFOSE	55%		20-150%
	d9-EtFOSE	55%		20-150%
	13C2-4:2FTS	84%		20-150%
	13C2-6:2FTS	82%		20-150%
	13C2-8:2FTS	65%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.0-0.2-030723		
Lab Sample ID:	JD61598-10A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16168.D	1	04/06/23 04:42	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.03 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00066	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00052	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00016	0.00026	0.00013	mg/kg	J
335-67-1	Perfluorooctanoic acid	0.00078	0.00026	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	0.00027	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00022	0.00026	0.00013	mg/kg	J
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0020	0.00026	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00079	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.0-0.2-030723		
Lab Sample ID:	JD61598-10A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00044	mg/kg	
377-73-1	PFMPA	ND	0.00052	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00052	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00052	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00058	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00052	mg/kg	
113507-82-7	PFEESA	ND	0.00052	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00067	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0066	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0066	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	79%		20-150%
	13C5-PFPeA	81%		20-150%
	13C5-PFHxA	82%		20-150%
	13C4-PFHpA	81%		20-150%
	13C8-PFOA	75%		20-150%
	13C9-PFNA	76%		20-150%
	13C6-PFDA	76%		20-150%
	13C7-PFUnDA	85%		20-150%
	13C2-PFDoDA	79%		20-150%
	13C2-PFTeDA	74%		20-150%
	13C3-PFBS	75%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.0-0.2-030723		
Lab Sample ID:	JD61598-10A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	68%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	62%		20-150%
	d5-EtFOSA	58%		20-150%
	d3-MeFOSAA	72%		20-150%
	d5-EtFOSAA	81%		20-150%
	d7-MeFOSE	54%		20-150%
	d9-EtFOSE	51%		20-150%
	13C2-4:2FTS	86%		20-150%
	13C2-6:2FTS	86%		20-150%
	13C2-8:2FTS	67%		20-150%
	13C3-HFPO-DA	76%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT03-0.0-0.2-030723		
Lab Sample ID:	JD61598-11A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16171.D	1	04/06/23 05:24	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00066	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00053	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00026	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00014	0.00026	0.00013	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00026	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0013	0.00026	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00079	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT03-0.0-0.2-030723		
Lab Sample ID:	JD61598-11A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.9
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00044	mg/kg	
377-73-1	PFMPA	ND	0.00053	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00053	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00053	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00058	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00053	mg/kg	
113507-82-7	PFEESA	ND	0.00053	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00067	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0066	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0066	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	83%		20-150%
	13C4-PFHpA	84%		20-150%
	13C8-PFOA	84%		20-150%
	13C9-PFNA	84%		20-150%
	13C6-PFDA	91%		20-150%
	13C7-PFUnDA	86%		20-150%
	13C2-PFDoDA	87%		20-150%
	13C2-PFTeDA	76%		20-150%
	13C3-PFBS	81%		20-150%
	13C3-PFHxS	84%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT03-0.0-0.2-030723		
Lab Sample ID:	JD61598-11A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.9
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	82%		20-150%
	13C8-FOSA	87%		20-150%
	d3-MeFOSA	78%		20-150%
	d5-EtFOSA	76%		20-150%
	d3-MeFOSAA	97%		20-150%
	d5-EtFOSAA	108%		20-150%
	d7-MeFOSE	61%		20-150%
	d9-EtFOSE	57%		20-150%
	13C2-4:2FTS	90%		20-150%
	13C2-6:2FTS	93%		20-150%
	13C2-8:2FTS	82%		20-150%
	13C3-HFPO-DA	80%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	83.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16172.D	1	04/06/23 05:38	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00096	0.00060	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00048	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	ND	0.00024	0.00012	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00017	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00080	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00096	0.00048	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00096	0.00048	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00096	0.00072	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00016	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	83.5
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00024	0.00024	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00096	0.00035	mg/kg	
919005-14-4	ADONA	ND	0.00096	0.00040	mg/kg	
377-73-1	PFMPA	ND	0.00048	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00048	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00048	0.00029	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00096	0.00053	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00096	0.00048	mg/kg	
113507-82-7	PFEESA	ND	0.00048	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00061	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0060	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0060	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	81%		20-150%
	13C5-PFPeA	76%		20-150%
	13C5-PFHxA	77%		20-150%
	13C4-PFHpA	76%		20-150%
	13C8-PFOA	81%		20-150%
	13C9-PFNA	76%		20-150%
	13C6-PFDA	89%		20-150%
	13C7-PFUnDA	83%		20-150%
	13C2-PFDoDA	76%		20-150%
	13C2-PFTeDA	69%		20-150%
	13C3-PFBS	74%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	83.5
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	78%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	66%		20-150%
	d5-EtFOSA	57%		20-150%
	d3-MeFOSAA	81%		20-150%
	d5-EtFOSAA	80%		20-150%
	d7-MeFOSE	49%		20-150%
	d9-EtFOSE	51%		20-150%
	13C2-4:2FTS	88%		20-150%
	13C2-6:2FTS	90%		20-150%
	13C2-8:2FTS	76%		20-150%
	13C3-HFPO-DA	74%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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FED-EX Tracking #: 5844-7371-5740
Bottle Order Control #: MM 03123 151
SGS Quote #:
SGS Job #: JD61598

Client / Reporting Information	Project Information	
Company Name: Ramboll	Project Name: Lyndon Road Land fill	
Street Address: 333 W. Washington St	Street: 80 Lyndon Rd	Billing Information (If different from Report to)
City: Syracuse State: NY Zip:	City: Fairport State: NY	Company Name:
Project Contact: Robert Trent E-mail: @Ramboll.com	Project #: 1940102910	Street Address:
Phone #:	Client Purchase Order #:	City: State: Zip:
Sampler(s) Name(s): RB/BH Phone #: 585-747-7650	Project Manager: R. Trent	Attention:

Requested Analysis: (A) TCLP FULL, ZHE, PHTEMP; (B) TOCLLK; (C) PH; (D) LCIDIG33LIST40, SOLI04; (E) LCIDLG33SP..., 2XH, SPEC-PFAS; (F) LCIDIG33LIST4D; (G) B8270IADIOXAN, SOLI04; (H) V8260TCL20+, SOLI04; (I) V8260TCL20+; (J) ABS8270TCL20..., METAL, HGSIFL, 8081, PEST, LCM8082

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	A	B	C	D	E	F	G	H	I	J	LAB USE ONLY
	LR-EB-01-030723		3/7/23	1215	BH	G	N	EB	3					3									3					L42 T3
1	~~TB~~ LR-TB-030723		3/7/23	0830	BH	G	N	TB	2	2																2		V579
2	~~DUP~~ DUP-030723		3/7/23	—	BH	C	N	SO	9					6	2	1			1		2			1	4		1	D18
3	LR-TT01-0.0-0.2-030723		3/7/23	1015	BH	C	N	SO	3					3							2			1				SUB
4	LR-TT01-0.2-1.0-030723		3/7/23	1030	BH	C	N	SO	5					5					1		2	2						1483
5	LR-TT01-05-1.0-030723		3/7/23	1140	BH	C	N	SO	3					3				3										4099
6	LR-TT01-FILL-030723		3/7/23	1135	BH	C	N	SO	2					2								2H						
7	LR-TT07-0.2-1.0-030723		3/7/23	1110	BH	C	N	SO	5					5					1		2	2						
8	LR-TT07-04-05-030723		3/7/23	1000	BH	C	N	SO	6					6				3			2			1				
9	LR-TT02-0.2-1.0-030723		3/7/23	1400	BH	C	N	SO	12					9	2	1			1	1	2	2		1	4		1	
	LR-TT02-0.2-1.0-030723-MS		3/7/23	1400	BH	C	N	SO	8					5	2	1					2			1	4		1	
	LR-TT02-0.2-1.0-030723-MSD		3/7/23	1400	BH	C	N	SO	8					5	2	1					2			1	4		1	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

pH Check (Lab Use Only)

Turn Around Time (Business Days)

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

Approved By (SGS PM): / Date:

Initial Assessment: NA (IB)

Label Verification:

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC valid values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

"H" means HOLD, analysis to be confirmed.
Custody Seal 06906 and 06904

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 RZB	3/7/23 / 1736	1 FedEx	2 FedEx	03/09/23 12:20	2
3		3	4		4
5		5	Custody Seal #	☐ Intact ☐ Not intact ☐ Absent	Therm ID: On Ice Cooler Temp. °C 1.1

See Sample Receipt Summary

JR40

JD61598: Chain of Custody
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JD61598

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SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #: | Bottle Order Control #: | SGS Quote #: | SGS Job #:

Client / Reporting Information
Company Name: Ramboll
Street Address: See pg 1
City: | State: | Zip:
Project Contact: | E-mail:
Phone #:
Sampler(s) Name(s): | Phone #:

Project Information
Project Name: Lyndon Road Landfill
Street:
City: | State:
Project #: 1940102910
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)
Company Name:
Street Address:
City: | State: | Zip:
Attention:

Requested Analysis: TCLPFULL ZHC PHTEMP; TOCLK; PH; LCI1633CUST4,SOLID4; LCID1633PFX-H SPLP_PFAS; LCI1633UST40; B8270140IQAN,SOLID4; V8260TCL20,SOLID4; V8260TCL20T; AB8270TCL20(1,4-DIOX...) MTAL,4851FL...

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL - Sludge, SED - Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB - Field Blank, EB - Equipment Blank, RB - Rinse Blank, TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	TCLPFULL ZHC PHTEMP	TOCLK	PH	LCI1633CUST4,SOLID4	LCID1633 SPLP_PFAS	LCI1633UST40	B8270	V8260TCL20,SOLID4	V8260TCL20T	AB8270 / MTAL	LAB USE ONLY
10	LR-TT02-0.0-0.2-030723		3/7/23	1400	BH	C	N	SO	3					3							2			1				
11	LR-TT03-0.0-0.2-030723		3/7/23	1505	BH	C	N	SO	3					3							2			1				
12	LR-TT03-0.2-1.0-030723		3/7/23	1510	BH	C	N	SO	6					5					1		2	2						
13	LR-TT03-0.5-0.6-030723		3/7/23	1515	BH	C	N	SO	3					3				3										

pH Check (Lab Use Only)

Turn Around Time (Business Days)
- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

Approved By (SGS PM): / Date:

All data available via Lablink
* Approval needed for 1-3 Business Day TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC valid values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
custody seal: 06906 and 06909

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 RCB	3/7/23 1730	1 FX	2 FX	3/8/23 10:00	2
3		3	4		4
5		5	Custody Seal #	☐ Intact ☐ Not intact ☐ Absent	Therm ID: On Ice ☐ Cooler Temp. °C (See Sample Receipt Summary)

JD61598: Chain of Custody
Page 2 of 6

SGS Sample Receipt Summary

Job Number: jd61598 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - TEST TRENCH -

Date / Time Received: 3/9/2023 10:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.1);

Cooler Temps (Corrected) °C: Cooler 1: (1.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments: 1). Sample "LR-EB-01-030723" was received with JD61586 as opposed to this job. Please confirm.

Responded to by: Marie Meidhof

Response Date: 3/13

Ok to proceed with that sample on JD61586

Job Change Order: JD61598

Requested Date:	3/14/2023	**Received Date:**	3/9/2023
Account Name:	Ramboll Americas	**Due Date:**	3/21/2023
Project Description:	Lyndon Road Landfill	**Deliverable:**	NYASPB
C/O Initiated By:	MARIE_MEI **PM:** MM	**TAT (Days):**	7

==========

Sample #: JD61598-9D **Dept:**

Client ID: LR-TT02-0.2-1.0-030723_MSD **TAT:** 7

Change: Add PHTEMP

==========

Sample #: JD61598-12 **Dept:**

Client ID: LR-TT03-0.2-1.0-030723 **TAT:** 7

Change: Add PHTEMP

==========

Sample #: JD61598-2 **Dept:**

Client ID: DUP-030723 **TAT:** 7

Change: Add PHTEMP

==========

Sample #: JD61598-4 **Dept:**

Client ID: LR-TT01-0.2-1.0-030723 **TAT:** 7

Change: Add PHTEMP

Above Changes Per: **Date/Time:** 3/14/2023

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JD61598

Requested Date: 3/14/2023 **Received Date:** 3/9/2023

Account Name: Ramboll Americas **Due Date:** 3/21/2023

Project Description: Lyndon Road Landfill **Deliverable:** NYASPB

C/O Initiated By: MARIE_MEI **PM:** MM **TAT (Days):** 7

==========

Sample #: JD61598-7 **Dept:**

Client ID: LR-TT07-0.2-1.0-030723 **TAT:** 7

Change: Add PHTEMP

==========

Sample #: JD61598-9 **Dept:**

Client ID: LR-TT02-0.2-1.0-030723 **TAT:** 7

Change: Add PHTEMP

==========

Above Changes Per: **Date/Time:** 3/14/2023

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas Engineering Solutions

Lyndon Road Landfill

1940102910

SGS Job Number: JD61598R

Sampling Date: 03/07/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **28**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas Engineering Solutions

Job No: JD61598R

Lyndon Road Landfill
Project No: 1940102910

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
JD61598-4BR	03/07/23	10:30	BH	03/09/23	SO	Soil	LR-TT01-0.2-1.0-030723
JD61598-6R	03/07/23	11:35	BH	03/09/23	SO	Soil	LR-TT01-FILL-030723
JD61598-7BR	03/07/23	11:10	BH	03/09/23	SO	Soil	LR-TT07-0.2-1.0-030723
JD61598-9BR	03/07/23	14:00	BH	03/09/23	SO	Soil	LR-TT02-0.2-1.0-030723
JD61598-12BR	03/07/23	15:10	BH	03/09/23	SO	Soil	LR-TT03-0.2-1.0-030723

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-TT01-0.2-1.0-030723		
Lab Sample ID:	JD61598-4BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16305.D	1	04/07/23 17:18	AFL	04/03/23 09:30	F:OP96214	F:S6Q242
Run #2							

	Initial Volume	Final Volume
Run #1	125 ml	5.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.0316		0.032	0.016	ug/l	J
2706-90-3	Perfluoropentanoic acid	ND		0.016	0.0040	ug/l	
307-24-4	Perfluorohexanoic acid	0.0057		0.0080	0.0020	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.0064		0.0080	0.0020	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0436		0.0080	0.0020	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.0080	0.0024	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.0080	0.0020	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.0080	0.0024	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.0080	0.0024	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.0080	0.0034	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.0080	0.0020	ug/l	
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND		0.0080	0.0040	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND		0.0080	0.0045	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.0080	0.0040	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND		0.0080	0.0040	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0200		0.0080	0.0040	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND		0.0080	0.0040	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND		0.0080	0.0040	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND		0.0080	0.0046	ug/l	
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2-FTS	ND		0.032	0.016	ug/l	
27619-97-2	6:2-FTS	ND		0.032	0.016	ug/l	
39108-34-4	8:2-FTS	ND		0.032	0.016	ug/l	
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND		0.0080	0.0040	ug/l	
31506-32-8	MeFOSA	ND		0.0080	0.0040	ug/l	
4151-50-2	EtFOSA	ND		0.0080	0.0040	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-0.2-1.0-030723		
Lab Sample ID:	JD61598-4BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	ND		0.0080	0.0040	ug/l	
2991-50-6	EtFOSAA	ND		0.0080	0.0053	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS							
24448-09-7	MeFOSE	ND		0.080	0.040	ug/l	
1691-99-2	EtFOSE	ND		0.080	0.040	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS							
13252-13-6	HFPO-DA (GenX)	ND		0.016	0.0040	ug/l	
919005-14-4	ADONA	ND		0.032	0.0080	ug/l	
377-73-1	PFMPA	ND		0.016	0.0040	ug/l	
863090-89-5	PFMBA	ND		0.016	0.0046	ug/l	
151772-58-6	NFDHA	ND		0.016	0.0048	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS							
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND		0.032	0.0080	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND		0.032	0.0080	ug/l	
113507-82-7	PFEESA	ND		0.016	0.0040	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS							
356-02-5	3:3-FTCA	ND		0.040	0.020	ug/l	
914637-49-3	5:3-FTCA	ND		0.20	0.040	ug/l	
812-70-4	7:3-FTCA	ND		0.20	0.040	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	96%		20-150%
	13C5-PFPeA	97%		20-150%
	13C5-PFHxA	97%		20-150%
	13C4-PFHpA	96%		20-150%
	13C8-PFOA	100%		20-150%
	13C9-PFNA	89%		20-150%
	13C6-PFDA	92%		20-150%
	13C7-PFUnDA	80%		20-150%
	13C2-PFDoDA	70%		20-150%
	13C2-PFTeDA	41%		20-150%
	13C3-PFBS	99%		20-150%
	13C3-PFHxS	92%		20-150%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-0.2-1.0-030723		
Lab Sample ID:	JD61598-4BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	90%		20-150%
	13C8-FOSA	85%		20-150%
	d3-MeFOSA	84%		20-150%
	d5-EtFOSA	89%		20-150%
	d3-MeFOSAA	95%		20-150%
	d5-EtFOSAA	96%		20-150%
	d7-MeFOSE	73%		20-150%
	d9-EtFOSE	71%		20-150%
	13C2-4:2FTS	107%		20-150%
	13C2-6:2FTS	109%		20-150%
	13C2-8:2FTS	97%		20-150%
	13C3-HFPO-DA	94%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-0.2-1.0-030723		
Lab Sample ID:	JD61598-4BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	72.0
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dry Weight, SPLP Leachate [a]	0.03200		kg	1	03/21/24 14:00	AFL	SW846 1312
Volume, SPLP Leachate [a]	0.9000		l	1	03/21/24 14:00	AFL	SW846 1312
Weight, SPLP Leachate [a]	0.04500		kg	1	03/21/24 14:00	AFL	SW846 1312
pH, SPLP Leachate [a]	8.18		su	1	03/21/24 14:00	AFL	SW846 1312

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: LR-TT01-FILL-030723
Lab Sample ID: JD61598-6R
Matrix: SO - Soil
Method: EPA 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16303.D	1	04/07/23 16:50	AFL	04/03/23 09:30	F:OP96214	F:S6Q242
Run #2							

	Initial Volume	Final Volume
Run #1	125 ml	5.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid [b]	0.335		0.032	0.016	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0728		0.016	0.0040	ug/l	
307-24-4	Perfluorohexanoic acid	0.0246		0.0080	0.0020	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0146		0.0080	0.0020	ug/l	
335-67-1	Perfluorooctanoic acid	0.296		0.0080	0.0020	ug/l	
375-95-1	Perfluorononanoic acid	0.0094		0.0080	0.0024	ug/l	
335-76-2	Perfluorodecanoic acid	0.0094		0.0080	0.0020	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.0080	0.0024	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.0080	0.0024	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.0080	0.0034	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.0080	0.0020	ug/l	
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND		0.0080	0.0040	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND		0.0080	0.0045	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.0080	0.0040	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND		0.0080	0.0040	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0823		0.0080	0.0040	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND		0.0080	0.0040	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND		0.0080	0.0040	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND		0.0080	0.0046	ug/l	
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2-FTS	ND		0.032	0.016	ug/l	
27619-97-2	6:2-FTS	ND		0.032	0.016	ug/l	
39108-34-4	8:2-FTS	ND		0.032	0.016	ug/l	
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND		0.0080	0.0040	ug/l	
31506-32-8	MeFOSA	ND		0.0080	0.0040	ug/l	
4151-50-2	EtFOSA	ND		0.0080	0.0040	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-FILL-030723		
Lab Sample ID:	JD61598-6R	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	ND		0.0080	0.0040	ug/l	
2991-50-6	EtFOSAA	ND		0.0080	0.0053	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS							
24448-09-7	MeFOSE	ND		0.080	0.040	ug/l	
1691-99-2	EtFOSE	ND		0.080	0.040	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS							
13252-13-6	HFPO-DA (GenX)	ND		0.016	0.0040	ug/l	
919005-14-4	ADONA	ND		0.032	0.0080	ug/l	
377-73-1	PFMPA [b]	ND		0.016	0.0040	ug/l	
863090-89-5	PFMBA	ND		0.016	0.0046	ug/l	
151772-58-6	NFDHA	ND		0.016	0.0048	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS							
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND		0.032	0.0080	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND		0.032	0.0080	ug/l	
113507-82-7	PFEESA	ND		0.016	0.0040	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS							
356-02-5	3:3-FTCA	ND		0.040	0.020	ug/l	
914637-49-3	5:3-FTCA	ND		0.20	0.040	ug/l	
812-70-4	7:3-FTCA	ND		0.20	0.040	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	10% [c]		20-150%
	13C5-PFPeA	42%		20-150%
	13C5-PFHxA	103%		20-150%
	13C4-PFHpA	105%		20-150%
	13C8-PFOA	99%		20-150%
	13C9-PFNA	103%		20-150%
	13C6-PFDA	102%		20-150%
	13C7-PFUnDA	91%		20-150%
	13C2-PFDoDA	83%		20-150%
	13C2-PFTeDA	48%		20-150%
	13C3-PFBS	99%		20-150%
	13C3-PFHxS	98%		20-150%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-FILL-030723		
Lab Sample ID:	JD61598-6R	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	91%		20-150%
	13C8-FOSA	94%		20-150%
	d3-MeFOSA	94%		20-150%
	d5-EtFOSA	91%		20-150%
	d3-MeFOSAA	99%		20-150%
	d5-EtFOSAA	96%		20-150%
	d7-MeFOSE	70%		20-150%
	d9-EtFOSE	68%		20-150%
	13C2-4:2FTS	88%		20-150%
	13C2-6:2FTS	95%		20-150%
	13C2-8:2FTS	83%		20-150%
	13C3-HFPO-DA	98%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated ID Standard outside control limits.
(c) Outside control limits.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-FILL-030723		
Lab Sample ID:	JD61598-6R	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dry Weight, SPLP Leachate [a]	0.04500		kg	1	03/21/24 14:00	AFL	SW846 1312
Volume, SPLP Leachate [a]	0.9000		l	1	03/21/24 14:00	AFL	SW846 1312
Weight, SPLP Leachate [a]	0.04540		kg	1	03/21/24 14:00	AFL	SW846 1312
pH, SPLP Leachate [a]	8.22		su	1	03/21/24 14:00	AFL	SW846 1312

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: LR-TT07-0.2-1.0-030723
Lab Sample ID: JD61598-7BR
Matrix: SO - Soil
Method: EPA 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 82.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16306.D	1	04/07/23 17:32	AFL	04/03/23 09:30	F:OP96214	F:S6Q242
Run #2							

	Initial Volume	Final Volume
Run #1	125 ml	5.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.627		0.032	0.016	ug/l	
2706-90-3	Perfluoropentanoic acid	0.122		0.016	0.0040	ug/l	
307-24-4	Perfluorohexanoic acid	0.0284		0.0080	0.0020	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0125		0.0080	0.0020	ug/l	
335-67-1	Perfluorooctanoic acid	0.0067		0.0080	0.0020	ug/l	J
375-95-1	Perfluorononanoic acid	ND		0.0080	0.0024	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.0080	0.0020	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.0080	0.0024	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.0080	0.0024	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.0080	0.0034	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.0080	0.0020	ug/l	
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND		0.0080	0.0040	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND		0.0080	0.0045	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.0080	0.0040	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND		0.0080	0.0040	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0133		0.0080	0.0040	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND		0.0080	0.0040	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND		0.0080	0.0040	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND		0.0080	0.0046	ug/l	
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2-FTS	ND		0.032	0.016	ug/l	
27619-97-2	6:2-FTS	ND		0.032	0.016	ug/l	
39108-34-4	8:2-FTS	ND		0.032	0.016	ug/l	
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND		0.0080	0.0040	ug/l	
31506-32-8	MeFOSA	ND		0.0080	0.0040	ug/l	
4151-50-2	EtFOSA	ND		0.0080	0.0040	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT07-0.2-1.0-030723		
Lab Sample ID:	JD61598-7BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	82.0
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	ND		0.0080	0.0040	ug/l	
2991-50-6	EtFOSAA	ND		0.0080	0.0053	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS							
24448-09-7	MeFOSE	ND		0.080	0.040	ug/l	
1691-99-2	EtFOSE	ND		0.080	0.040	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS							
13252-13-6	HFPO-DA (GenX)	ND		0.016	0.0040	ug/l	
919005-14-4	ADONA	ND		0.032	0.0080	ug/l	
377-73-1	PFMPA	ND		0.016	0.0040	ug/l	
863090-89-5	PFMBA	ND		0.016	0.0046	ug/l	
151772-58-6	NFDHA	ND		0.016	0.0048	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS							
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND		0.032	0.0080	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND		0.032	0.0080	ug/l	
113507-82-7	PFEESA	ND		0.016	0.0040	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS							
356-02-5	3:3-FTCA	ND		0.040	0.020	ug/l	
914637-49-3	5:3-FTCA	ND		0.20	0.040	ug/l	
812-70-4	7:3-FTCA	ND		0.20	0.040	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	42%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	110%		20-150%
	13C4-PFHpA	106%		20-150%
	13C8-PFOA	110%		20-150%
	13C9-PFNA	100%		20-150%
	13C6-PFDA	106%		20-150%
	13C7-PFUnDA	97%		20-150%
	13C2-PFDoDA	86%		20-150%
	13C2-PFTeDA	58%		20-150%
	13C3-PFBS	95%		20-150%
	13C3-PFHxS	93%		20-150%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT07-0.2-1.0-030723		
Lab Sample ID:	JD61598-7BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	82.0
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	99%		20-150%
	13C8-FOSA	86%		20-150%
	d3-MeFOSA	82%		20-150%
	d5-EtFOSA	82%		20-150%
	d3-MeFOSAA	92%		20-150%
	d5-EtFOSAA	91%		20-150%
	d7-MeFOSE	71%		20-150%
	d9-EtFOSE	69%		20-150%
	13C2-4:2FTS	93%		20-150%
	13C2-6:2FTS	109%		20-150%
	13C2-8:2FTS	96%		20-150%
	13C3-HFPO-DA	104%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT07-0.2-1.0-030723		
Lab Sample ID:	JD61598-7BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	82.0
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dry Weight, SPLP Leachate [a]	0.03700		kg	1	03/21/24 14:00	AFL	SW846 1312
Volume, SPLP Leachate [a]	0.9000		l	1	03/21/24 14:00	AFL	SW846 1312
Weight, SPLP Leachate [a]	0.04520		kg	1	03/21/24 14:00	AFL	SW846 1312
pH, SPLP Leachate [a]	8.60		su	1	03/21/24 14:00	AFL	SW846 1312

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: LR-TT02-0.2-1.0-030723
Lab Sample ID: JD61598-9BR
Matrix: SO - Soil
Method: EPA 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 79.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16308.D	1	04/07/23 18:00	AFL	04/03/23 09:30	F:OP96214	F:S6Q242
Run #2							

	Initial Volume	Final Volume
Run #1	125 ml	5.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	ND		0.032	0.016	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0046		0.016	0.0040	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0043		0.0080	0.0020	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.0075		0.0080	0.0020	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0408		0.0080	0.0020	ug/l	
375-95-1	Perfluorononanoic acid	0.0071		0.0080	0.0024	ug/l	J
335-76-2	Perfluorodecanoic acid	0.0058		0.0080	0.0020	ug/l	J
2058-94-8	Perfluoroundecanoic acid	ND		0.0080	0.0024	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.0080	0.0024	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.0080	0.0034	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.0080	0.0020	ug/l	
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND		0.0080	0.0040	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND		0.0080	0.0045	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.0080	0.0040	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND		0.0080	0.0040	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0444		0.0080	0.0040	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND		0.0080	0.0040	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND		0.0080	0.0040	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND		0.0080	0.0046	ug/l	
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2-FTS	ND		0.032	0.016	ug/l	
27619-97-2	6:2-FTS	ND		0.032	0.016	ug/l	
39108-34-4	8:2-FTS	ND		0.032	0.016	ug/l	
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND		0.0080	0.0040	ug/l	
31506-32-8	MeFOSA	ND		0.0080	0.0040	ug/l	
4151-50-2	EtFOSA	ND		0.0080	0.0040	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	ND		0.0080	0.0040	ug/l	
2991-50-6	EtFOSAA	ND		0.0080	0.0053	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS							
24448-09-7	MeFOSE	ND		0.080	0.040	ug/l	
1691-99-2	EtFOSE	ND		0.080	0.040	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS							
13252-13-6	HFPO-DA (GenX)	ND		0.016	0.0040	ug/l	
919005-14-4	ADONA	ND		0.032	0.0080	ug/l	
377-73-1	PFMPA	ND		0.016	0.0040	ug/l	
863090-89-5	PFMBA	ND		0.016	0.0046	ug/l	
151772-58-6	NFDHA	ND		0.016	0.0048	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS							
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND		0.032	0.0080	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND		0.032	0.0080	ug/l	
113507-82-7	PFEESA	ND		0.016	0.0040	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS							
356-02-5	3:3-FTCA	ND		0.040	0.020	ug/l	
914637-49-3	5:3-FTCA	ND		0.20	0.040	ug/l	
812-70-4	7:3-FTCA	ND		0.20	0.040	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	100%		20-150%
	13C5-PFPeA	120%		20-150%
	13C5-PFHxA	124%		20-150%
	13C4-PFHpA	119%		20-150%
	13C8-PFOA	106%		20-150%
	13C9-PFNA	120%		20-150%
	13C6-PFDA	101%		20-150%
	13C7-PFUnDA	90%		20-150%
	13C2-PFDoDA	79%		20-150%
	13C2-PFTeDA	54%		20-150%
	13C3-PFBS	113%		20-150%
	13C3-PFHxS	109%		20-150%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	97%		20-150%
	13C8-FOSA	100%		20-150%
	d3-MeFOSA	92%		20-150%
	d5-EtFOSA	87%		20-150%
	d3-MeFOSAA	111%		20-150%
	d5-EtFOSAA	101%		20-150%
	d7-MeFOSE	80%		20-150%
	d9-EtFOSE	78%		20-150%
	13C2-4:2FTS	141%		20-150%
	13C2-6:2FTS	135%		20-150%
	13C2-8:2FTS	117%		20-150%
	13C3-HFPO-DA	117%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	79.6
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dry Weight, SPLP Leachate [a]	0.03600		kg	1	03/21/24 14:00	AFL	SW846 1312
Volume, SPLP Leachate [a]	0.9000		l	1	03/21/24 14:00	AFL	SW846 1312
Weight, SPLP Leachate [a]	0.04550		kg	1	03/21/24 14:00	AFL	SW846 1312
pH, SPLP Leachate [a]	8.48		su	1	03/21/24 14:00	AFL	SW846 1312

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	83.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16309.D	1	04/07/23 18:14	AFL	04/03/23 09:30	F:OP96214	F:S6Q242
Run #2							

	Initial Volume	Final Volume
Run #1	125 ml	5.0 ml
Run #2		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	ND		0.032	0.016	ug/l	
2706-90-3	Perfluoropentanoic acid	ND		0.016	0.0040	ug/l	
307-24-4	Perfluorohexanoic acid	0.0509		0.0080	0.0020	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.0080	0.0020	ug/l	
335-67-1	Perfluorooctanoic acid	0.0325		0.0080	0.0020	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.0080	0.0024	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.0080	0.0020	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.0080	0.0024	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.0080	0.0024	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.0080	0.0034	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.0080	0.0020	ug/l	
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND		0.0080	0.0040	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND		0.0080	0.0045	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0080		0.0080	0.0040	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND		0.0080	0.0040	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.239		0.0080	0.0040	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND		0.0080	0.0040	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND		0.0080	0.0040	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND		0.0080	0.0046	ug/l	
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2-FTS	ND		0.032	0.016	ug/l	
27619-97-2	6:2-FTS	0.133		0.032	0.016	ug/l	
39108-34-4	8:2-FTS	0.152		0.032	0.016	ug/l	
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND		0.0080	0.0040	ug/l	
31506-32-8	MeFOSA	ND		0.0080	0.0040	ug/l	
4151-50-2	EtFOSA	ND		0.0080	0.0040	ug/l	

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MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	83.5
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	ND		0.0080	0.0040	ug/l	
2991-50-6	EtFOSAA	ND		0.0080	0.0053	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS							
24448-09-7	MeFOSE	ND		0.080	0.040	ug/l	
1691-99-2	EtFOSE	ND		0.080	0.040	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS							
13252-13-6	HFPO-DA (GenX)	ND		0.016	0.0040	ug/l	
919005-14-4	ADONA	ND		0.032	0.0080	ug/l	
377-73-1	PFMPA	ND		0.016	0.0040	ug/l	
863090-89-5	PFMBA	ND		0.016	0.0046	ug/l	
151772-58-6	NFDHA	ND		0.016	0.0048	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS							
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND		0.032	0.0080	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND		0.032	0.0080	ug/l	
113507-82-7	PFEESA	ND		0.016	0.0040	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS							
356-02-5	3:3-FTCA	ND		0.040	0.020	ug/l	
914637-49-3	5:3-FTCA	ND		0.20	0.040	ug/l	
812-70-4	7:3-FTCA	ND		0.20	0.040	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	38%		20-150%
	13C5-PFPeA	104%		20-150%
	13C5-PFHxA	104%		20-150%
	13C4-PFHpA	109%		20-150%
	13C8-PFOA	104%		20-150%
	13C9-PFNA	96%		20-150%
	13C6-PFDA	113%		20-150%
	13C7-PFUnDA	92%		20-150%
	13C2-PFDoDA	81%		20-150%
	13C2-PFTeDA	64%		20-150%
	13C3-PFBS	102%		20-150%
	13C3-PFHxS	102%		20-150%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA 1633 EPA 1633 DRAFT	**Percent Solids:**	83.5
Project:	Lyndon Road Landfill		

SPLP Leachate method SW846 1312

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	91%		20-150%
	13C8-FOSA	94%		20-150%
	d3-MeFOSA	90%		20-150%
	d5-EtFOSA	86%		20-150%
	d3-MeFOSAA	109%		20-150%
	d5-EtFOSAA	107%		20-150%
	d7-MeFOSE	76%		20-150%
	d9-EtFOSE	75%		20-150%
	13C2-4:2FTS	120%		20-150%
	13C2-6:2FTS	118%		20-150%
	13C2-8:2FTS	97%		20-150%
	13C3-HFPO-DA	104%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12BR	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	83.5
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Dry Weight, SPLP Leachate [a]	0.03800		kg	1	03/21/24 14:00	AFL	SW846 1312
Volume, SPLP Leachate [a]	0.9000		l	1	03/21/24 14:00	AFL	SW846 1312
Weight, SPLP Leachate [a]	0.04530		kg	1	03/21/24 14:00	AFL	SW846 1312
pH, SPLP Leachate [a]	8.73		su	1	03/21/24 14:00	AFL	SW846 1312

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

TB
SO
SLL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FN

FED-EX Tracking # 5844 7371 3740 | Bottle Order Control # MM 03123 151 | SGS Quote # | SGS Job # JD61598

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W. Washington St
City / State / Zip: Syracuse NY
Project Contact / E-mail: Robert.Trent@Ramboll.com
Phone #:
Sampler(s) Name(s) / Phone #: RB/BH 585-747-7650

Project Information

Project Name: Lyndon Road Land fill
Street: 80 Lyndon Rd
City / State: Fairport NY
Project # / Client Purchase Order #: 1470102910
Project Manager: R. Trent

Billing Information (if different from Report to)
Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis

TCLP FULL, ZHE, PHTEMP
TOCLK
PH
LCID1633,1540,SOL104
SCLCL633,PEAS,PEAS
LCID1633 LIST 40
B8270 1,4DIOXAN,SOL104
V8260TCL20+5,SOL104
V8260TCL20+
ABS270TCL20 PLUS1,4DIOXAN, MTBE, SOL104

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Preserved: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
	LR-EB-01-030723		3/7/23	1215	BH	G	N	CB	3					3					L42 T3
1	(LR-TB-030723		3/7/23	0830	BH	G	N	TB	2	2									V579
2	DUP-030123		3/7/23	—	BH	C	N	SO	9					6	2	1			D18
3	LR-TT01-0.0-0.2-030723		3/7/23	1015	BH	C	N	SO	3					3					C985
4	LR-TT01-0.2-1.0-030723		3/7/23	1030	BH	C	N	SO	5					5					1483
5	LR-TT01-05-10-030723		3/7/23	1140	BH	C	N	SO	3					3					4099
6	LR-TT01-FILL-030723		3/7/23	1135	BH	C	N	SO	2					2					
7	LR-TT07-0.2-1.0-030723		3/7/23	1110	BH	C	N	SO	5					5					
8	LR-TT07-05-10-030723		3/7/23	1000	BH	C	N	SO	6					6					
9	LR-TT02-0.0-0.2-030723		3/7/23	1400	BH	C	N	SO	12					9	2	1			
	LR-TT02-0.2-0.5-030723-MS		3/7/23	1410	BH	C	N	SO	8					5	2	1			
	LR-TT02-0.2-1.0-030723-MSD		3/7/23	1400	BH	C	N	SO	8					5	2	1			

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

Initial Assessment: NA 1/6
Label Verification:

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC valid values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

"H" means HOLD, analysis to be confirmed.
Custody Seal 060906 and 060904

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 RZB	3/7/23 1736	1 FedEx	2 FedEx	03/09/23 12:30	2
3		3	4		4
5		5	Custody Seal #	Intact / Not Intact / Absent	Therm ID: / See Sample Receipt Summary	On Ice	Cooler Temp. °C

JR40

JD61598

Page 2 of 2

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #:

Client / Reporting Information

Company Name: Ramboll
Street Address: See pg 1
City / State / Zip:
Project Contact / E-mail:
Phone #:
Sampler(s) Name(s) / Phone #:

Project Information

Project Name: Lyndon Road Landfill
Street:
City / State:
Project #: 1940102910
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	TCLP Full ZHC Pkg Temp	TOC LK	pH	LCL14633 LIST 48,SL104	LCL14633 RUSH SPLP_PFAS	LCL0633 LIST 90	B82701 4DI GAN,SOL104	V8260TCL20 ,SOL104	V8260TCL20	A8270(LL)(SIM)(8) MTAL, HYSI, FL-PRO,SOL,WW104	pH Check (Lab Use Only)	LAB USE ONLY
10	LR-TT02-0.0-0.2-030723		3/1/23	1400	BH	C	N	SO	3					3							2			1					
11	LR-TT03-0.0-0.2-030723		3/1/23	1505	BH	C	N	SO	3					3							2			1					
12	LR-TT03-02-1.0-030723		3/1/23	1510	BH	C	N	SO	6					5					i		2	2							
13	LR-TT03-05-06-030723		3/1/23	1515	BH	C	N	SO	3					3				3											

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Labilink | * Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC valid values
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

custody seal: 060906 and 060909

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	RCB	3/7/23 1730	1 FX	2 FX	3/9/23	2
3			3	4		4
5			5			

Custody Seal #: [ ] Intact [ ] Not Intact [ ] Absent
Therm ID: | On Ice | Cooler Temp. °C | See Sample Receipt Summary [ ]

SGS Sample Receipt Summary

Job Number: jd61598 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - TEST TRENCH -

Date / Time Received: 3/9/2023 10:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.1);

Cooler Temps (Corrected) °C: Cooler 1: (1.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments: 1). Sample "LR-EB-01-030723" was received with JD61586 as opposed to this job. Please confirm.

Responded to by: Marie Meidhof

Response Date: 3/13

Ok to proceed with that sample on JD61586

Job Change Order: JD61598

Requested Date:	3/19/2024	**Received Date:**	3/9/2023
Account Name:	Ramboll Americas Engineering So	**Due Date:**	3/19/2024
Project Description:	Lyndon Road Landfill	**Deliverable:**	NYASPB
C/O Initiated By:	MICHELLE_ **PM:** MM	**TAT (Days):**	14

==========

Sample #: JD61598-4B **Dept:**

Client ID: LR-TT01-0.2-1.0-030723 **TAT:** 14

Change: Relog for LCID1633SPLPLIST40AO and SPLPRATIO

==========

Sample #: JD61598-6 **Dept:**

Client ID: LR-TT01-FILL-030723 **TAT:** 14

Change: Relog for LCID1633SPLPLIST40AO and SPLPRATIO

==========

Sample #: JD61598-7B **Dept:**

Client ID: LR-TT07-0.2-1.0-030723 **TAT:** 14

Change: Relog for LCID1633SPLPLIST40AO and SPLPRATIO

==========

Sample #: JD61598-9B **Dept:**

Client ID: LR-TT02-0.2-1.0-030723 **TAT:** 14

Change: Relog for LCID1633SPLPLIST40AO and SPLPRATIO

Above Changes Per: **Date/Time:** 3/19/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JD61598

Requested Date:	3/19/2024	**Received Date:**	3/9/2023
Account Name:	Ramboll Americas Engineering So	**Due Date:**	3/19/2024
Project Description:	Lyndon Road Landfill	**Deliverable:**	NYASPB
C/O Initiated By:	MICHELLE_ **PM:** MM	**TAT (Days):**	14

Sample #:	JD61598-12B	**Dept:**	
Client ID:	LR-TT03-0.2-1.0-030723	**TAT:**	14
Change:	Relog for LCID1633SPLPLIST40AO and SPLPRATIO		

Above Changes Per: **Date/Time:** 3/19/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD61785

Sampling Date: 03/10/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: 54

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Ramboll Americas

Job No: JD61785

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD61785-1	03/10/23	09:30	BH	03/10/23	AQ	Trip Blank Soil	LR-TB-031023
	JD61785-2	03/10/23	12:30	BH	03/10/23	AQ	Equipment Blank	LR-EB-031023
*	JD61785-3	03/10/23	10:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-TOP-031023
*	JD61785-3A	03/10/23	10:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-TOP-031023
	JD61785-3B	03/10/23	10:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-TOP-031023
*	JD61785-4	03/10/23	10:10	BH	03/10/23	SO	Soil	LR-TT04-DRUM-BOTTOM-031023
*	JD61785-4A	03/10/23	10:10	BH	03/10/23	SO	Soil	LR-TT04-DRUM-BOTTOM-031023
	JD61785-4B	03/10/23	10:10	BH	03/10/23	SO	Soil	LR-TT04-DRUM-BOTTOM-031023
*	JD61785-5	03/10/23	11:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-COMP-031023
*	JD61785-5A	03/10/23	11:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-COMP-031023
	JD61785-5B	03/10/23	11:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-COMP-031023

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

* The following report applies to these samples only (7 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-TB-031023		
Lab Sample ID:	JD61785-1	**Date Sampled:**	03/10/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	03/10/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1F3781.D	1	03/14/23 03:30	NW	n/a	n/a	V1F123
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [b]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [c]	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TB-031023		
Lab Sample ID:	JD61785-1	**Date Sampled:**	03/10/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	03/10/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	89%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.88	22	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT04-DRUM-TOP-031023
Lab Sample ID: JD61785-3
Matrix: SO - Soil
Method: SW846 8260D
Project: Lyndon Road Landfill

Date Sampled: 03/10/23
Date Received: 03/10/23
Percent Solids: 79.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D187444.D	1	03/15/23 16:12	CL	n/a	n/a	V3D7882
Run #2	3D187454.D	1	03/15/23 20:05	CL	n/a	n/a	V3D7882
Run #3	3D187483.D	1	03/20/23 15:10	CL	n/a	n/a	V3D7884

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.9 g	10.0 ml	100 ul
Run #2	3.9 g	10.0 ml	10.0 ul
Run #3	4.5 g	10.0 ml	5.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	13.3	1.7	0.72	mg/kg	
71-43-2	Benzene	0.191	0.087	0.079	mg/kg	
74-97-5	Bromochloromethane	ND	0.87	0.098	mg/kg	
75-27-4	Bromodichloromethane	ND	0.35	0.075	mg/kg	
75-25-2	Bromoform	ND	0.87	0.24	mg/kg	
74-83-9	Bromomethane	ND	0.87	0.13	mg/kg	
78-93-3	2-Butanone (MEK)	495 [c]	17	4.2	mg/kg	
75-15-0	Carbon disulfide	ND	0.35	0.093	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.35	0.11	mg/kg	
108-90-7	Chlorobenzene	ND	0.35	0.080	mg/kg	
75-00-3	Chloroethane	ND	0.87	0.10	mg/kg	
67-66-3	Chloroform	ND	0.35	0.091	mg/kg	
74-87-3	Chloromethane	ND	0.87	0.34	mg/kg	
110-82-7	Cyclohexane	0.325	0.35	0.11	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.35	0.12	mg/kg	
124-48-1	Dibromochloromethane	ND	0.35	0.098	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.17	0.073	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.17	0.095	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.17	0.087	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.127	0.17	0.086	mg/kg	J
75-71-8	Dichlorodifluoromethane	ND	0.87	0.13	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.17	0.086	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.17	0.082	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.17	0.11	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.17	0.15	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.17	0.11	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.35	0.083	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.35	0.083	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.35	0.080	mg/kg	
100-41-4	Ethylbenzene	118 [c]	1.7	0.79	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8260D	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	0.87	0.47	mg/kg	
591-78-6	2-Hexanone	ND	0.87	0.37	mg/kg	
98-82-8	Isopropylbenzene	3.33	0.35	0.25	mg/kg	
79-20-9	Methyl Acetate	0.793	0.87	0.24	mg/kg	J
108-87-2	Methylcyclohexane [d]	1.06	0.35	0.15	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.17	0.082	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	1.49	0.87	0.40	mg/kg	
75-09-2	Methylene chloride	ND	0.87	0.46	mg/kg	
100-42-5	Styrene	ND	0.35	0.070	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.35	0.10	mg/kg	
127-18-4	Tetrachloroethene	0.107	0.35	0.10	mg/kg	J
108-88-3	Toluene	393 [e]	3.1	1.6	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.87	0.44	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.87	0.44	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.35	0.084	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.35	0.097	mg/kg	
79-01-6	Trichloroethene	ND	0.17	0.13	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.87	0.12	mg/kg	
75-01-4	Vinyl chloride	ND	0.35	0.084	mg/kg	
	m,p-Xylene	729 [e]	3.1	2.7	mg/kg	
95-47-6	o-Xylene	246 [c]	1.7	0.80	mg/kg	
1330-20-7	Xylene (total)	975 [e]	3.1	1.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	98%	98%	105%	80-124%
17060-07-0	1,2-Dichloroethane-D4	104%	99%	99%	75-133%
2037-26-5	Toluene-D8	99%	97%	97%	79-125%
460-00-4	4-Bromofluorobenzene	103%	102%	91%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
103-65-1	Benzene, propyl-	8.26	2.2	mg/kg	JN
	C3 alkyl benzene	8.34	5.1	mg/kg	J
	C3 alkyl benzene	8.37	1.4	mg/kg	J
108-67-8	Benzene, 1,3,5-trimethyl-	8.43	2.2	mg/kg	JN
	C3 alkyl benzene	8.61	1	mg/kg	J
95-63-6	Benzene, 1,2,4-trimethyl-	8.79	2.1	mg/kg	JN
	Unknown	12.03	3.1	mg/kg	J
	Unknown	12.59	2.6	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8260D	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		19.7	mg/kg	J

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits high.
(c) Result is from Run# 2
(d) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.
(e) Result is from Run# 3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT04-DRUM-TOP-031023
Lab Sample ID: JD61785-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/10/23
Date Received: 03/10/23
Percent Solids: 79.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z162861.D	5	03/16/23 12:53	GA	03/14/23 09:00	OP45191	EZ8072
Run #2	Z162907.D	50	03/17/23 17:35	GA	03/14/23 09:00	OP45191	EZ8073

	Initial Weight	Final Volume
Run #1	31.9 g	1.0 ml
Run #2	31.9 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.39	0.098	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.99	0.12	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.99	0.17	mg/kg	
105-67-9	2,4-Dimethylphenol	0.424	0.99	0.35	mg/kg	J
51-28-5	2,4-Dinitrophenol	ND	0.99	0.74	mg/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	0.99	0.21	mg/kg	
95-48-7	2-Methylphenol	0.736	0.39	0.13	mg/kg	
	3&4-Methylphenol	0.325	0.39	0.16	mg/kg	J
88-75-5	2-Nitrophenol	ND	0.99	0.13	mg/kg	
100-02-7	4-Nitrophenol [a]	ND	2.0	0.53	mg/kg	
87-86-5	Pentachlorophenol	ND	0.79	0.19	mg/kg	
108-95-2	Phenol	ND	0.39	0.10	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.99	0.13	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.99	0.15	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.99	0.12	mg/kg	
83-32-9	Acenaphthene	4.11	0.20	0.068	mg/kg	
208-96-8	Acenaphthylene	0.252	0.20	0.10	mg/kg	
98-86-2	Acetophenone	0.725	0.99	0.042	mg/kg	J
120-12-7	Anthracene	19.7	0.20	0.12	mg/kg	
1912-24-9	Atrazine	ND	0.39	0.084	mg/kg	
56-55-3	Benzo(a)anthracene	43.3 [b]	2.0	0.56	mg/kg	
50-32-8	Benzo(a)pyrene	44.3 [b]	2.0	0.90	mg/kg	
205-99-2	Benzo(b)fluoranthene	53.5 [b]	2.0	0.87	mg/kg	
191-24-2	Benzo(g,h,i)perylene	24.7 [b]	2.0	0.99	mg/kg	
207-08-9	Benzo(k)fluoranthene	12.6	0.20	0.092	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.39	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.39	0.048	mg/kg	
92-52-4	1,1'-Biphenyl	0.245	0.39	0.027	mg/kg	J
100-52-7	Benzaldehyde	ND	0.99	0.049	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.39	0.047	mg/kg	
106-47-8	4-Chloroaniline	ND	0.99	0.071	mg/kg	
86-74-8	Carbazole	6.05	0.39	0.029	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.39	0.078	mg/kg	
218-01-9	Chrysene	42.3 [b]	2.0	0.62	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.39	0.042	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.39	0.085	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.39	0.071	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.39	0.064	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.20	0.061	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.20	0.099	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.39	0.16	mg/kg	
123-91-1	1,4-Dioxane	ND	0.20	0.13	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	9.76	0.20	0.087	mg/kg	
132-64-9	Dibenzofuran	2.17	0.39	0.080	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.39	0.032	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.39	0.049	mg/kg	
84-66-2	Diethyl phthalate	ND	0.39	0.042	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.39	0.035	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	5.33	0.39	0.046	mg/kg	
206-44-0	Fluoranthene	99.0 [b]	2.0	0.88	mg/kg	
86-73-7	Fluorene	4.23	0.20	0.091	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.39	0.050	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.20	0.079	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2.0	0.079	mg/kg	
67-72-1	Hexachloroethane	ND	0.99	0.098	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	30.3 [b]	2.0	0.93	mg/kg	
78-59-1	Isophorone	ND	0.39	0.042	mg/kg	
91-57-6	2-Methylnaphthalene	1.12	0.20	0.045	mg/kg	
88-74-4	2-Nitroaniline	ND	0.99	0.047	mg/kg	
99-09-2	3-Nitroaniline	ND	0.99	0.049	mg/kg	
100-01-6	4-Nitroaniline	ND	0.99	0.051	mg/kg	
91-20-3	Naphthalene	1.21	0.20	0.056	mg/kg	
98-95-3	Nitrobenzene	ND	0.39	0.076	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.39	0.057	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.99	0.072	mg/kg	
85-01-8	Phenanthrene	62.1 [b]	2.0	0.66	mg/kg	
129-00-0	Pyrene	89.8 [b]	2.0	0.63	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.99	0.050	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%	0% [c]	10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	44%	36%	10-96%
118-79-6	2,4,6-Tribromophenol	55%	0% [c]	10-123%
4165-60-0	Nitrobenzene-d5	49%	45%	10-109%
321-60-8	2-Fluorobiphenyl	44%	35%	11-109%
1718-51-0	Terphenyl-d14	53%	49%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
132-65-0	Dibenzothiophene	8.65	4.4	mg/kg	JN
	alkane	9.23	3.8	mg/kg	J
	Phenanthrene methyl	9.45	5.9	mg/kg	J
	Anthracene methyl	9.49	7	mg/kg	J
	unknown	9.60	15	mg/kg	J
	Anthracene methyl	9.63	3.4	mg/kg	J
35465-71-5	2-Phenylnaphthalene	9.87	4.3	mg/kg	JN
84-65-1	9,10-Anthracenedione	9.92	6.4	mg/kg	JN
	Phenanthrene dimethyl	10.23	3.6	mg/kg	J
	Phenanthrene dimethyl	10.30	4	mg/kg	J
	unknown	10.38	5.3	mg/kg	J
	unknown	10.68	4.5	mg/kg	J
1090-13-7	5,12-Naphthacenedione	13.85	4.8	mg/kg	JN
	unknown	14.08	4.1	mg/kg	J
	unknown PAH substance	14.43	9.4	mg/kg	J
	unknown	14.56	3.2	mg/kg	J
	unknown	14.61	4.1	mg/kg	J
	unknown PAH substance	14.68	28	mg/kg	J
	unknown	15.03	4.7	mg/kg	J
	unknown	15.08	4.2	mg/kg	J
	unknown	15.40	4	mg/kg	J
	unknown	16.10	6.9	mg/kg	J
	unknown	16.44	6.1	mg/kg	J
	unknown	16.50	6.4	mg/kg	J
	unknown	16.91	11	mg/kg	J
	Total TIC, Semi-Volatile		164.5	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4145.D	5	03/17/23 00:35	RK	03/14/23 13:00	OP45180	G9G224
Run #2							

	Initial Weight	Final Volume
Run #1	16.5 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.095	0.052	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.019	0.011	mg/kg	
93-76-5	2,4,5-T	ND	0.019	0.0095	mg/kg	
75-99-0	Dalapon	ND	0.019	0.012	mg/kg	
1918-00-9	Dicamba [a]	ND	0.019	0.0099	mg/kg	
120-36-5	Dichloroprop	ND	0.095	0.051	mg/kg	
88-85-7	Dinoseb [a]	ND	0.095	0.060	mg/kg	
94-74-6	MCPA	ND	9.5	5.3	mg/kg	
93-65-2	MCPP [a]	ND	9.5	8.0	mg/kg	
87-86-5	Pentachlorophenol	0.0223	0.0095	0.0031	mg/kg	
94-82-6	2,4-DB	ND	0.095	0.053	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	5% [b]		10-138%
19719-28-9	2,4-DCAA	4% [b]		10-138%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT04-DRUM-TOP-031023
Lab Sample ID: JD61785-3
Matrix: SO - Soil
Method: SW846 8081B SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/10/23
Date Received: 03/10/23
Percent Solids: 79.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183421.D	1	03/16/23 02:47	CP	03/14/23 00:40	OP45196	G1G6415
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00082	0.00068	mg/kg	
319-84-6	alpha-BHC	ND	0.00082	0.00067	mg/kg	
319-85-7	beta-BHC	ND	0.00082	0.00074	mg/kg	
319-86-8	delta-BHC	ND	0.00082	0.00079	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00082	0.00061	mg/kg	
5103-71-9	alpha-Chlordane	0.0159	0.00082	0.00066	mg/kg	
5103-74-2	gamma-Chlordane [a]	0.0129	0.00082	0.00037	mg/kg	
60-57-1	Dieldrin [a]	0.0046	0.00082	0.00057	mg/kg	
72-54-8	4,4'-DDD	0.0204	0.00082	0.00076	mg/kg	
72-55-9	4,4'-DDE [a]	0.0141	0.00082	0.00072	mg/kg	
50-29-3	4,4'-DDT [a]	0.0127	0.00082	0.00073	mg/kg	
72-20-8	Endrin	ND	0.00082	0.00064	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00082	0.00064	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00082	0.00047	mg/kg	
959-98-8	Endosulfan-I	ND	0.00082	0.00047	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00082	0.00051	mg/kg	
76-44-8	Heptachlor	ND	0.00082	0.00071	mg/kg	
1024-57-3	Heptachlor epoxide	0.0044	0.00082	0.00058	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00065	mg/kg	
53494-70-5	Endrin ketone	ND	0.00082	0.00060	mg/kg	
8001-35-2	Toxaphene	ND	0.021	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		13-162%
877-09-8	Tetrachloro-m-xylene	117%		13-162%
2051-24-3	Decachlorobiphenyl	62%		10-180%
2051-24-3	Decachlorobiphenyl	2966% [b]		10-180%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK20486.D	5	03/17/23 14:16	MLC	03/17/23 10:30	OP45197	GRK510
Run #2 [a]	RK20455.D	1	03/15/23 08:14	CP	03/14/23 00:40	OP45197	GRK508
Run #3 [a]	RK20475.D	5	03/15/23 18:27	MLC	03/14/23 00:40	OP45197	GRK509

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2	15.3 g	10.0 ml
Run #3	15.3 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.21	0.096	mg/kg	
11104-28-2	Aroclor 1221	ND	0.21	0.13	mg/kg	
11141-16-5	Aroclor 1232	ND	0.21	0.13	mg/kg	
53469-21-9	Aroclor 1242	ND	0.21	0.084	mg/kg	
12672-29-6	Aroclor 1248	ND	0.21	0.18	mg/kg	
11097-69-1	Aroclor 1254	ND	0.21	0.11	mg/kg	
11096-82-5	Aroclor 1260	ND	0.21	0.088	mg/kg	
11100-14-4	Aroclor 1268	ND	0.21	0.087	mg/kg	
37324-23-5	Aroclor 1262	ND	0.21	0.13	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	144%	113%	153%	10-174%
877-09-8	Tetrachloro-m-xylene	120%	91%	137%	10-174%
2051-24-3	Decachlorobiphenyl	196% [b]	116%	144%	10-195%
2051-24-3	Decachlorobiphenyl	972% [b]	600% [b]	859% [b]	10-195%

(a) Confirmation run.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
		Percent Solids:	79.4
Project:	Lyndon Road Landfill		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5260	62	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.5	2.5	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic [a]	< 12	12	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	157	25	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.43	0.25	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.62	0.62	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	18400	620	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	26.3	1.2	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 6.2	6.2	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper [a]	36.5	15	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Iron	39300	310	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Lead [a]	282	12	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Magnesium	5740	620	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	365	1.9	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.13	0.040	mg/kg	1	03/15/23	03/16/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	14.3	4.9	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium [a]	< 12	12	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Silver [a]	3.6	3.1	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium [a]	< 6.2	6.2	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	14.9	6.2	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	220	6.2	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53857
(2) Instrument QC Batch: MA53868
(3) Instrument QC Batch: MA53880
(4) Prep QC Batch: MP38411
(5) Prep QC Batch: MP38416

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
		Percent Solids:	79.4
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.14 NC		su	1	03/16/23 19:22	MM	SW846 9045D
Cyanide	1.1	0.28	mg/kg	1	03/14/23 12:51	MM	SW846 9012B/LACHAT
Cyanide Reactivity	< 12	12	mg/kg	1	03/14/23 13:23	MM	SW846 CHAP7/9012 B
Ignitability (Flashpoint)	> 200		Deg. F	1	03/16/23 19:44	MM	SW846 1010B/ASTM D93
Solids, Percent	79.4		%	1	03/14/23 15:51	RP	SM2540 G 18TH ED MOD
Sulfide Reactivity	< 120	120	mg/kg	1	03/16/23 10:55	MK	SW846 CHAP7/9034
Total Organic Carbon	95300	130	mg/kg	1	03/15/23 11:26	MB	LLOYD KAHN 1988 MOD
pH [a]	7.14		su	1	03/16/23 18:50	MM	SW846 9045D

(a) Temp of pH Reading: 20.5 Deg. C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8260D SW846 1311	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2F4070.D	5	03/22/23 13:44	NW	03/13/23 11:00	GP45583	V2F134
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.0021	mg/l	
78-93-3	2-Butanone (MEK)	1.55	D035	200	0.10	0.034	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0028	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0028	mg/l	
67-66-3	Chloroform [a]	0.0037	D022	6.0	0.0050	0.0025	mg/l	JB
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0030	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0030	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0045	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0026	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	103%		64-135%
2037-26-5	Toluene-D8	102%		76-117%
460-00-4	4-Bromofluorobenzene	102%		72-122%

(a) Indicates analyte found in associated leachate blank.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E121500.D	1	03/17/23 15:46	JY	03/16/23 09:02	OP45222	E3E5607
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-73%
4165-62-2	Phenol-d5	25%		10-64%
118-79-6	2,4,6-Tribromophenol	62%		31-130%
4165-60-0	Nitrobenzene-d5	70%		28-126%
321-60-8	2-Fluorobiphenyl	62%		26-114%
1718-51-0	Terphenyl-d14	74%		16-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT04-DRUM-TOP-031023
Lab Sample ID: JD61785-3A
Matrix: SO - Soil
Method: SW846 8151A SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/10/23
Date Received: 03/10/23
Percent Solids: 79.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165541.D	1	03/18/23 04:32	RK	03/16/23 08:35	OP45223	GOA5852
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	0.0031	D016	10	0.0033	0.00098	mg/l	J
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	44%		13-169%
19719-28-9	2,4-DCAA	61%		13-169%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89436.D	1	03/17/23 04:30	RK	03/16/23 10:20	OP45224	G6G3238
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		30-137%
877-09-8	Tetrachloro-m-xylene	83%		30-137%
2051-24-3	Decachlorobiphenyl	62%		10-137%
2051-24-3	Decachlorobiphenyl	86%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
		Percent Solids:	79.4
Project:	Lyndon Road Landfill		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Barium	0.27	D005	100	0.20	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Cadmium	0.0053	D006	1.0	0.0040	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Lead	0.10	D008	5.0	0.10	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	03/17/23	03/19/23	LM	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA53868
(2) Instrument QC Batch: MA53876
(3) Prep QC Batch: MP38422
(4) Prep QC Batch: MP38491

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8260D	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D187445.D	1	03/15/23 16:35	CL	n/a	n/a	V3D7882
Run #2	3D187484.D	1	03/20/23 15:34	CL	n/a	n/a	V3D7884
Run #3	3D187455.D	1	03/15/23 20:29	CL	n/a	n/a	V3D7882

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.8 g	10.0 ml	100 ul
Run #2	3.8 g	10.0 ml	0.50 ul
Run #3	3.8 g	10.0 ml	2.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	52.2	1.7	0.69	mg/kg	
71-43-2	Benzene	0.921	0.083	0.076	mg/kg	
74-97-5	Bromochloromethane	ND	0.83	0.093	mg/kg	
75-27-4	Bromodichloromethane	ND	0.33	0.072	mg/kg	
75-25-2	Bromoform	ND	0.83	0.23	mg/kg	
74-83-9	Bromomethane	ND	0.83	0.13	mg/kg	
78-93-3	2-Butanone (MEK)	3260 [c]	83	20	mg/kg	
75-15-0	Carbon disulfide	ND	0.33	0.089	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.33	0.10	mg/kg	
108-90-7	Chlorobenzene	ND	0.33	0.077	mg/kg	
75-00-3	Chloroethane	ND	0.83	0.099	mg/kg	
67-66-3	Chloroform	ND	0.33	0.087	mg/kg	
74-87-3	Chloromethane	ND	0.83	0.33	mg/kg	
110-82-7	Cyclohexane	ND	0.33	0.11	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.33	0.12	mg/kg	
124-48-1	Dibromochloromethane	ND	0.33	0.093	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.17	0.070	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.17	0.091	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.17	0.083	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.17	0.082	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.83	0.12	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.17	0.083	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.17	0.078	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.17	0.11	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.17	0.14	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.17	0.10	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.33	0.079	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.33	0.079	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.33	0.076	mg/kg	
100-41-4	Ethylbenzene	935 [c]	8.3	3.8	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8260D	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	0.83	0.45	mg/kg	
591-78-6	2-Hexanone	ND	0.83	0.35	mg/kg	
98-82-8	Isopropylbenzene	18.7	0.33	0.24	mg/kg	
79-20-9	Methyl Acetate	0.659	0.83	0.23	mg/kg	J
108-87-2	Methylcyclohexane [d]	0.241	0.33	0.15	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.17	0.078	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	13.4	0.83	0.38	mg/kg	
75-09-2	Methylene chloride	ND	0.83	0.44	mg/kg	
100-42-5	Styrene	ND	0.33	0.067	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.33	0.10	mg/kg	
127-18-4	Tetrachloroethene	0.117	0.33	0.097	mg/kg	J
108-88-3	Toluene	3530 [e]	33	18	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.83	0.42	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.83	0.42	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.33	0.081	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.33	0.092	mg/kg	
79-01-6	Trichloroethene	0.362	0.17	0.13	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.83	0.11	mg/kg	
75-01-4	Vinyl chloride	ND	0.33	0.080	mg/kg	
	m,p-Xylene	6200 [e]	33	30	mg/kg	
95-47-6	o-Xylene	1940 [e]	33	15	mg/kg	
1330-20-7	Xylene (total)	8140 [e]	33	15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	103%	105%	100%	80-124%
17060-07-0	1,2-Dichloroethane-D4	106%	100%	101%	75-133%
2037-26-5	Toluene-D8	95%	97%	98%	79-125%
460-00-4	4-Bromofluorobenzene	107%	101%	99%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alcohols	3.78	3.2	mg/kg	J
	ketones	4.48	1.9	mg/kg	J
	alcohols	4.64	1.9	mg/kg	J
	esters	6.37	4.4	mg/kg	J
2040-96-2	Cyclopentane, propyl-	6.45	1.9	mg/kg	JN
	cycloalkane	6.51	2.4	mg/kg	J
	alkane	6.75	4.5	mg/kg	J
	alkane	6.86	2.9	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8260D	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
103-65-1	Benzene, propyl-	8.26	14	mg/kg	JN
	C3 alkyl benzene	8.34	27	mg/kg	J
	C3 alkyl benzene	8.37	8.9	mg/kg	J
108-67-8	Benzene, 1,3,5-trimethyl-	8.43	8.8	mg/kg	JN
	C3 alkyl benzene	8.61	5	mg/kg	J
	C3 alkyl benzene	8.79	8.9	mg/kg	J
	alkane	9.62	1.2	mg/kg	J
	Total TIC, Volatile		96.9	mg/kg	J

(a) Dilution required due to high concentrations of target and non-target compounds.
(b) Associated CCV outside of control limits high.
(c) Result is from Run# 3
(d) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.
(e) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT04-DRUM-BOTTOM-031023
Lab Sample ID: JD61785-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/10/23
Date Received: 03/10/23
Percent Solids: 83.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z162862.D	5	03/16/23 13:17	GA	03/14/23 09:00	OP45191	EZ8072
Run #2	Z162908.D	20	03/17/23 17:59	GA	03/14/23 09:00	OP45191	EZ8073

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2	30.4 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.39	0.097	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.98	0.12	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.98	0.17	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.98	0.35	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.98	0.74	mg/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	0.98	0.21	mg/kg	
95-48-7	2-Methylphenol	ND	0.39	0.13	mg/kg	
	3&4-Methylphenol	0.234	0.39	0.16	mg/kg	J
88-75-5	2-Nitrophenol	ND	0.98	0.13	mg/kg	
100-02-7	4-Nitrophenol [a]	ND	2.0	0.52	mg/kg	
87-86-5	Pentachlorophenol	ND	0.79	0.18	mg/kg	
108-95-2	Phenol	0.139	0.39	0.10	mg/kg	J
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.98	0.13	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.98	0.15	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.98	0.12	mg/kg	
83-32-9	Acenaphthene	2.88	0.20	0.068	mg/kg	
208-96-8	Acenaphthylene	ND	0.20	0.10	mg/kg	
98-86-2	Acetophenone	0.405	0.98	0.042	mg/kg	J
120-12-7	Anthracene	7.53	0.20	0.12	mg/kg	
1912-24-9	Atrazine	ND	0.39	0.084	mg/kg	
56-55-3	Benzo(a)anthracene	13.2	0.20	0.056	mg/kg	
50-32-8	Benzo(a)pyrene	13.1	0.20	0.089	mg/kg	
205-99-2	Benzo(b)fluoranthene	14.7	0.20	0.087	mg/kg	
191-24-2	Benzo(g,h,i)perylene	7.83	0.20	0.098	mg/kg	
207-08-9	Benzo(k)fluoranthene	5.33	0.20	0.092	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.39	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.39	0.048	mg/kg	
92-52-4	1,1'-Biphenyl	0.199	0.39	0.027	mg/kg	J
100-52-7	Benzaldehyde	ND	0.98	0.049	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.39	0.047	mg/kg	
106-47-8	4-Chloroaniline	ND	0.98	0.071	mg/kg	
86-74-8	Carbazole	3.51	0.39	0.028	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.39	0.078	mg/kg	
218-01-9	Chrysene	12.3	0.20	0.062	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.39	0.042	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.39	0.085	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.39	0.071	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.39	0.064	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.20	0.061	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.20	0.099	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.39	0.16	mg/kg	
123-91-1	1,4-Dioxane	ND	0.20	0.13	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	2.04	0.20	0.087	mg/kg	
132-64-9	Dibenzofuran	1.67	0.39	0.080	mg/kg	
84-74-2	Di-n-butyl phthalate	0.153	0.39	0.032	mg/kg	J
117-84-0	Di-n-octyl phthalate	ND	0.39	0.049	mg/kg	
84-66-2	Diethyl phthalate	ND	0.39	0.042	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.39	0.035	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	18.8	0.39	0.046	mg/kg	
206-44-0	Fluoranthene	26.3 [b]	0.79	0.35	mg/kg	
86-73-7	Fluorene	2.84	0.20	0.090	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.39	0.050	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.20	0.079	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2.0	0.078	mg/kg	
67-72-1	Hexachloroethane	ND	0.98	0.097	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	9.12	0.20	0.092	mg/kg	
78-59-1	Isophorone	ND	0.39	0.042	mg/kg	
91-57-6	2-Methylnaphthalene	0.500	0.20	0.044	mg/kg	
88-74-4	2-Nitroaniline	ND	0.98	0.046	mg/kg	
99-09-2	3-Nitroaniline	ND	0.98	0.049	mg/kg	
100-01-6	4-Nitroaniline	ND	0.98	0.051	mg/kg	
91-20-3	Naphthalene	0.903	0.20	0.055	mg/kg	
98-95-3	Nitrobenzene	ND	0.39	0.076	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.39	0.057	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.98	0.072	mg/kg	
85-01-8	Phenanthrene	23.1 [b]	0.79	0.26	mg/kg	
129-00-0	Pyrene	22.7 [b]	0.79	0.25	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.98	0.050	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	16%	29%	10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	39%	32%	10-96%
118-79-6	2,4,6-Tribromophenol	46%	32%	10-123%
4165-60-0	Nitrobenzene-d5	41%	36%	10-109%
321-60-8	2-Fluorobiphenyl	40%	37%	11-109%
1718-51-0	Terphenyl-d14	43%	40%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	2.34	6.4	mg/kg	J
	unknown	3.25	2.9	mg/kg	J
	C3 alkyl benzene	4.27	4.9	mg/kg	J
	C3 alkyl benzene	4.50	5	mg/kg	J
	alkane	8.09	5	mg/kg	J
	alkane	8.66	5.7	mg/kg	J
	alkane	9.23	9.7	mg/kg	J
	unknown	9.36	3	mg/kg	J
	Phenanthrene methyl	9.46	4.9	mg/kg	J
	Phenanthrene methyl	9.49	3	mg/kg	J
	alkane	9.81	5.1	mg/kg	J
	unknown	9.96	4.4	mg/kg	J
	alkane	10.04	4.1	mg/kg	J
	alkane	10.24	3.6	mg/kg	J
	Cyclohexane alkyl	10.31	2.9	mg/kg	J
	alkane	10.40	3.3	mg/kg	J
	alkane	10.62	3.3	mg/kg	J
	unknown	12.03	8.4	mg/kg	J
	unknown	13.76	12	mg/kg	J
	Dibenzopyrene	14.21	7.3	mg/kg	J
	unknown PAH substance	14.41	6.1	mg/kg	J
	unknown PAH substance	14.65	7.4	mg/kg	J
	-Dibenzopyrene	15.46	5	mg/kg	J
	unknown	15.52	9.7	mg/kg	J
	unknown	15.94	3.1	mg/kg	J
	Total TIC, Semi-Volatile		136.2	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4146.D	5	03/17/23 00:56	RK	03/14/23 13:00	OP45180	G9G224
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.093	0.051	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.019	0.011	mg/kg	
93-76-5	2,4,5-T	ND	0.019	0.0093	mg/kg	
75-99-0	Dalapon	ND	0.019	0.011	mg/kg	
1918-00-9	Dicamba [a]	ND	0.019	0.0097	mg/kg	
120-36-5	Dichloroprop	ND	0.093	0.050	mg/kg	
88-85-7	Dinoseb [a]	ND	0.093	0.059	mg/kg	
94-74-6	MCPA	ND	9.3	5.1	mg/kg	
93-65-2	MCPP [a]	ND	9.3	7.8	mg/kg	
87-86-5	Pentachlorophenol	0.0117	0.0093	0.0030	mg/kg	
94-82-6	2,4-DB	ND	0.093	0.052	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	30%		10-138%
19719-28-9	2,4-DCAA	26%		10-138%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183422.D	1	03/16/23 03:05	CP	03/14/23 00:40	OP45196	G1G6415
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00078	0.00064	mg/kg	
319-84-6	alpha-BHC	ND	0.00078	0.00063	mg/kg	
319-85-7	beta-BHC	ND	0.00078	0.00070	mg/kg	
319-86-8	delta-BHC	ND	0.00078	0.00074	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00078	0.00057	mg/kg	
5103-71-9	alpha-Chlordane	0.0026	0.00078	0.00063	mg/kg	
5103-74-2	gamma-Chlordane [a]	0.0167	0.00078	0.00035	mg/kg	
60-57-1	Dieldrin [a]	0.0025	0.00078	0.00053	mg/kg	
72-54-8	4,4'-DDD	0.0181	0.00078	0.00071	mg/kg	
72-55-9	4,4'-DDE	ND	0.00078	0.00068	mg/kg	
50-29-3	4,4'-DDT	0.0029	0.00078	0.00069	mg/kg	
72-20-8	Endrin	ND	0.00078	0.00060	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00078	0.00061	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00078	0.00044	mg/kg	
959-98-8	Endosulfan-I	ND	0.00078	0.00045	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00078	0.00048	mg/kg	
76-44-8	Heptachlor	ND	0.00078	0.00067	mg/kg	
1024-57-3	Heptachlor epoxide	0.0038	0.00078	0.00054	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00062	mg/kg	
53494-70-5	Endrin ketone	ND	0.00078	0.00056	mg/kg	
8001-35-2	Toxaphene	ND	0.019	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	58%		13-162%
877-09-8	Tetrachloro-m-xylene	62%		13-162%
2051-24-3	Decachlorobiphenyl	69%		10-180%
2051-24-3	Decachlorobiphenyl	3120% [b]		10-180%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK20469.D	1	03/15/23 16:50	MLC	03/14/23 00:40	OP45197	GRK509
Run #2 [a]	RK20488.D	1	03/17/23 14:49	MLC	03/17/23 10:30	OP45197	GRK510

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2	15.4 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.039	0.018	mg/kg	
11104-28-2	Aroclor 1221	ND	0.039	0.024	mg/kg	
11141-16-5	Aroclor 1232	ND	0.039	0.025	mg/kg	
53469-21-9	Aroclor 1242	ND	0.039	0.016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.039	0.035	mg/kg	
11097-69-1	Aroclor 1254	ND	0.039	0.021	mg/kg	
11096-82-5	Aroclor 1260 [b]	ND	0.039	0.017	mg/kg	
11100-14-4	Aroclor 1268	ND	0.039	0.016	mg/kg	
37324-23-5	Aroclor 1262	ND	0.039	0.025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%	60%	10-174%
877-09-8	Tetrachloro-m-xylene	54%	50%	10-174%
2051-24-3	Decachlorobiphenyl	70%	76%	10-195%
2051-24-3	Decachlorobiphenyl	689% [c]	685% [c]	10-195%

(a) Confirmation run.
(b) Associated CCV outside of control limits low.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
		Percent Solids:	83.7
Project:	Lyndon Road Landfill		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4440	59	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.4	2.4	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic [a]	< 12	12	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	56.0	24	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	< 0.24	0.24	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.59	0.59	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	21300	590	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium [a]	26.0	5.9	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cobalt	< 5.9	5.9	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper [a]	46.0	15	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Iron	49900	300	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Lead	52.4	2.4	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	6930	590	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	468	1.8	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.12	0.031	mg/kg	1	03/15/23	03/16/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	20.5	4.7	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium [a]	26.2	12	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Silver [a]	< 3.0	3.0	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium [a]	< 5.9	5.9	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	13.1	5.9	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	121	5.9	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53857
(2) Instrument QC Batch: MA53868
(3) Instrument QC Batch: MA53880
(4) Prep QC Batch: MP38411
(5) Prep QC Batch: MP38416

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
		Percent Solids:	83.7
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.38 NC		su	1	03/16/23 19:24	MM	SW846 9045D
Cyanide	0.55	0.31	mg/kg	1	03/14/23 12:54	MM	SW846 9012B/LACHAT
Cyanide Reactivity	< 11	11	mg/kg	1	03/14/23 13:24	MM	SW846 CHAP7/9012 B
Ignitability (Flashpoint)	> 200		Deg. F	1	03/16/23 19:44	MM	SW846 1010B/ASTM D93
Solids, Percent	83.7		%	1	03/14/23 15:51	RP	SM2540 G 18TH ED MOD
Sulfide Reactivity	< 110	110	mg/kg	1	03/16/23 10:55	MK	SW846 CHAP7/9034
Total Organic Carbon	37400	120	mg/kg	1	03/15/23 12:04	MB	LLOYD KAHN 1988 MOD
pH [a]	7.38		su	1	03/16/23 18:52	MM	SW846 9045D

(a) Temp of pH Reading: 20.6 Deg. C

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8260D SW846 1311	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1F4038.D	5	03/21/23 17:33	NW	03/13/23 11:00	GP45583	V1F133
Run #2	2F4076.D	250	03/22/23 16:20	NW	03/13/23 11:00	GP45583	V2F134

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0109	D018	0.50	0.0025	0.0021	mg/l	
78-93-3	2-Butanone (MEK)	69.0 [a]	D035	200	5.0	1.7	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0028	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0028	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0025	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0030	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0030	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0045	mg/l	
79-01-6	Trichloroethene	0.0034	D040	0.50	0.0050	0.0026	mg/l	J
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%	104%	76-120%
17060-07-0	1,2-Dichloroethane-D4	103%	106%	64-135%
2037-26-5	Toluene-D8	105%	103%	76-117%
460-00-4	4-Bromofluorobenzene	107%	99%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E121501.D	1	03/17/23 16:12	JY	03/16/23 09:02	OP45222	E3E5607
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	0.0175	D023	200	0.020	0.0089	mg/l	J
	3&4-Methylphenol	0.0248	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		10-73%
4165-62-2	Phenol-d5	32%		10-64%
118-79-6	2,4,6-Tribromophenol	81%		31-130%
4165-60-0	Nitrobenzene-d5	87%		28-126%
321-60-8	2-Fluorobiphenyl	79%		26-114%
1718-51-0	Terphenyl-d14	77%		16-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165542.D	1	03/18/23 04:56	RK	03/16/23 08:35	OP45223	GOA5852
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	0.0016	D016	10	0.0033	0.00098	mg/l	J
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	39%		13-169%
19719-28-9	2,4-DCAA	61%		13-169%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89437.D	1	03/17/23 04:48	RK	03/16/23 10:20	OP45224	G6G3238
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		30-137%
877-09-8	Tetrachloro-m-xylene	77%		30-137%
2051-24-3	Decachlorobiphenyl	47%		10-137%
2051-24-3	Decachlorobiphenyl	80%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
		Percent Solids:	83.7
Project:	Lyndon Road Landfill		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Barium	0.36	D005	100	0.20	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Cadmium	0.0073	D006	1.0	0.0040	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	03/17/23	03/19/23	LM	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA53868
(2) Instrument QC Batch: MA53876
(3) Prep QC Batch: MP38422
(4) Prep QC Batch: MP38491

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8260D	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D187446.D	1	03/15/23 16:58	CL	n/a	n/a	V3D7882
Run #2	3D187456.D	1	03/15/23 20:52	CL	n/a	n/a	V3D7882

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.4 g	10.0 ml	100 ul
Run #2	3.4 g	10.0 ml	2.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	9.03	1.5	0.62	mg/kg	
71-43-2	Benzene	0.191	0.075	0.068	mg/kg	
74-97-5	Bromochloromethane	ND	0.75	0.084	mg/kg	
75-27-4	Bromodichloromethane	ND	0.30	0.064	mg/kg	
75-25-2	Bromoform	ND	0.75	0.20	mg/kg	
74-83-9	Bromomethane	ND	0.75	0.11	mg/kg	
78-93-3	2-Butanone (MEK)	940 [c]	95	23	mg/kg	
75-15-0	Carbon disulfide	ND	0.30	0.080	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.30	0.093	mg/kg	
108-90-7	Chlorobenzene	ND	0.30	0.069	mg/kg	
75-00-3	Chloroethane	ND	0.75	0.089	mg/kg	
67-66-3	Chloroform	ND	0.30	0.078	mg/kg	
74-87-3	Chloromethane	ND	0.75	0.29	mg/kg	
110-82-7	Cyclohexane	ND	0.30	0.099	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.30	0.10	mg/kg	
124-48-1	Dibromochloromethane	ND	0.30	0.084	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.15	0.063	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.15	0.082	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.15	0.074	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.15	0.074	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.75	0.11	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.15	0.074	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.15	0.071	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.15	0.098	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.15	0.13	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.15	0.092	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.30	0.071	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.30	0.071	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.30	0.069	mg/kg	
100-41-4	Ethylbenzene	387 [c]	9.5	4.3	mg/kg	
76-13-1	Freon 113	ND	0.75	0.40	mg/kg	
591-78-6	2-Hexanone	ND	0.75	0.32	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8260D	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	7.36	0.30	0.21	mg/kg	
79-20-9	Methyl Acetate	0.721	0.75	0.21	mg/kg	J
108-87-2	Methylcyclohexane [d]	0.231	0.30	0.13	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.15	0.070	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	3.64	0.75	0.34	mg/kg	
75-09-2	Methylene chloride	ND	0.75	0.39	mg/kg	
100-42-5	Styrene	ND	0.30	0.060	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.30	0.090	mg/kg	
127-18-4	Tetrachloroethene	ND	0.30	0.087	mg/kg	
108-88-3	Toluene	1130 [c]	9.5	5.0	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.75	0.38	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.75	0.38	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.30	0.072	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.30	0.083	mg/kg	
79-01-6	Trichloroethene	ND	0.15	0.11	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.75	0.10	mg/kg	
75-01-4	Vinyl chloride	ND	0.30	0.072	mg/kg	
	m,p-Xylene	2250 [c]	9.5	8.6	mg/kg	
95-47-6	o-Xylene	708 [c]	9.5	4.4	mg/kg	
1330-20-7	Xylene (total)	2960 [c]	9.5	4.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	103%	80-124%
17060-07-0	1,2-Dichloroethane-D4	103%	100%	75-133%
2037-26-5	Toluene-D8	99%	100%	79-125%
460-00-4	4-Bromofluorobenzene	97%	98%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	1.89	.75	mg/kg	J
	esters	6.37	1.5	mg/kg	J
	alkane	6.74	1.5	mg/kg	J
	alkane	6.85	1	mg/kg	J
103-65-1	Benzene, propyl-	8.26	4.5	mg/kg	JN
	C3 alkyl benzene	8.34	9.4	mg/kg	J
	C3 alkyl benzene	8.37	2.8	mg/kg	J
108-67-8	Benzene, 1,3,5-trimethyl-	8.43	3.1	mg/kg	JN
	C3 alkyl benzene	8.61	1.7	mg/kg	J
95-63-6	Benzene, 1,2,4-trimethyl-	8.79	3.1	mg/kg	JN

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8260D	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		29.35	mg/kg	J

(a) Dilution required due to high concentrations of target and non-target compounds.
(b) Associated CCV outside of control limits high.
(c) Result is from Run# 2
(d) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Z162863.D	2	03/16/23 13:41	GA	03/14/23 09:00	OP45191	EZ8072
Run #2	Z162909.D	10	03/17/23 18:23	GA	03/14/23 09:00	OP45191	EZ8073

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2	31.3 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.16	0.039	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.39	0.048	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.39	0.067	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.39	0.14	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.39	0.29	mg/kg	
534-52-1	4,6-Dinitro-o-cresol [b]	ND	0.39	0.084	mg/kg	
95-48-7	2-Methylphenol	ND	0.16	0.050	mg/kg	
	3&4-Methylphenol	ND	0.16	0.064	mg/kg	
88-75-5	2-Nitrophenol	ND	0.39	0.052	mg/kg	
100-02-7	4-Nitrophenol [b]	ND	0.78	0.21	mg/kg	
87-86-5	Pentachlorophenol	ND	0.31	0.073	mg/kg	
108-95-2	Phenol	ND	0.16	0.041	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.39	0.052	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.39	0.059	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.39	0.047	mg/kg	
83-32-9	Acenaphthene	0.528	0.078	0.027	mg/kg	
208-96-8	Acenaphthylene	0.0710	0.078	0.040	mg/kg	J
98-86-2	Acetophenone	0.245	0.39	0.017	mg/kg	J
120-12-7	Anthracene	1.33	0.078	0.048	mg/kg	
1912-24-9	Atrazine	ND	0.16	0.033	mg/kg	
56-55-3	Benzo(a)anthracene	4.23	0.078	0.022	mg/kg	
50-32-8	Benzo(a)pyrene	4.66	0.078	0.036	mg/kg	
205-99-2	Benzo(b)fluoranthene	5.18	0.078	0.035	mg/kg	
191-24-2	Benzo(g,h,i)perylene	3.14	0.078	0.039	mg/kg	
207-08-9	Benzo(k)fluoranthene	2.13	0.078	0.036	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.16	0.030	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.16	0.019	mg/kg	
92-52-4	1,1'-Biphenyl	0.0528	0.16	0.011	mg/kg	J
100-52-7	Benzaldehyde	ND	0.39	0.019	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.16	0.019	mg/kg	
106-47-8	4-Chloroaniline	ND	0.39	0.028	mg/kg	
86-74-8	Carbazole	0.610	0.16	0.011	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.16	0.031	mg/kg	
218-01-9	Chrysene	4.03	0.078	0.025	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.16	0.017	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.16	0.034	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.16	0.028	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.16	0.025	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.078	0.024	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.078	0.039	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.16	0.065	mg/kg	
123-91-1	1,4-Dioxane	ND	0.078	0.052	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.05	0.078	0.035	mg/kg	
132-64-9	Dibenzofuran	0.268	0.16	0.032	mg/kg	
84-74-2	Di-n-butyl phthalate	0.0956	0.16	0.013	mg/kg	J
117-84-0	Di-n-octyl phthalate	ND	0.16	0.019	mg/kg	
84-66-2	Diethyl phthalate	ND	0.16	0.017	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.16	0.014	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	10.0 [c]	0.78	0.091	mg/kg	
206-44-0	Fluoranthene	7.12	0.078	0.035	mg/kg	
86-73-7	Fluorene	0.418	0.078	0.036	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.16	0.020	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.078	0.031	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.78	0.031	mg/kg	
67-72-1	Hexachloroethane	ND	0.39	0.039	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3.52	0.078	0.037	mg/kg	
78-59-1	Isophorone	ND	0.16	0.017	mg/kg	
91-57-6	2-Methylnaphthalene	0.161	0.078	0.018	mg/kg	
88-74-4	2-Nitroaniline	ND	0.39	0.018	mg/kg	
99-09-2	3-Nitroaniline	ND	0.39	0.020	mg/kg	
100-01-6	4-Nitroaniline	ND	0.39	0.020	mg/kg	
91-20-3	Naphthalene	0.221	0.078	0.022	mg/kg	
98-95-3	Nitrobenzene	ND	0.16	0.030	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.16	0.023	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.39	0.029	mg/kg	
85-01-8	Phenanthrene	4.57	0.078	0.026	mg/kg	
129-00-0	Pyrene	7.36	0.078	0.025	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.39	0.020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	23%	38%	10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	49%	41%	10-96%
118-79-6	2,4,6-Tribromophenol	65%	50%	10-123%
4165-60-0	Nitrobenzene-d5	57%	50%	10-109%
321-60-8	2-Fluorobiphenyl	54%	44%	11-109%
1718-51-0	Terphenyl-d14	56%	50%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C3 alkyl benzene	4.27	1.7	mg/kg	J
	C3 alkyl benzene	4.50	1.8	mg/kg	J
	alkane	7.56	1.5	mg/kg	J
	alkane	8.09	2.9	mg/kg	J
544-63-8	Tetradecanoic acid	8.43	2.1	mg/kg	JN
	alkane	8.66	3	mg/kg	J
	alkane	9.24	5.9	mg/kg	J
	unknown	9.37	1.5	mg/kg	J
	unknown	9.48	4.4	mg/kg	J
	unknown acid	9.67	8.7	mg/kg	J
	alkane	9.83	3.1	mg/kg	J
	Cyclohexane alkyl	9.98	3.2	mg/kg	J
	alkane	10.06	4.2	mg/kg	J
	alkane	10.25	4.4	mg/kg	J
	Cyclohexane alkyl	10.32	1.5	mg/kg	J
	alkane	10.42	2.1	mg/kg	J
	alkane	10.64	2.1	mg/kg	J
	unknown acid	10.93	35	mg/kg	J
	unknown	11.17	1.5	mg/kg	J
103-23-1	Hexanedioic acid, bis(2-ethylhexyl) este	12.05	4.6	mg/kg	JN
	unknown	12.30	2.3	mg/kg	J
	alkane	13.32	1.6	mg/kg	J
	unknown	13.79	16	mg/kg	J
	unknown PAH substance	14.44	2.2	mg/kg	J
	unknown PAH substance	14.68	2.9	mg/kg	J
	Total TIC, Semi-Volatile		120.2	mg/kg	J

(a) Elevated detection limit due to matrix inteference.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4147.D	5	03/17/23 01:18	RK	03/14/23 13:00	OP45180	G9G224
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.10	0.055	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.020	0.011	mg/kg	
93-76-5	2,4,5-T	ND	0.020	0.010	mg/kg	
75-99-0	Dalapon	ND	0.020	0.012	mg/kg	
1918-00-9	Dicamba [a]	ND	0.020	0.010	mg/kg	
120-36-5	Dichloroprop	ND	0.10	0.054	mg/kg	
88-85-7	Dinoseb [a]	ND	0.10	0.063	mg/kg	
94-74-6	MCPA	ND	10	5.5	mg/kg	
93-65-2	MCPP [a]	ND	10	8.4	mg/kg	
87-86-5	Pentachlorophenol	0.0098	0.010	0.0033	mg/kg	J
94-82-6	2,4-DB	ND	0.10	0.056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	22%		10-138%
19719-28-9	2,4-DCAA	18%		10-138%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183423.D	1	03/16/23 03:22	CP	03/14/23 00:40	OP45196	G1G6415
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00080	0.00066	mg/kg	
319-84-6	alpha-BHC	ND	0.00080	0.00065	mg/kg	
319-85-7	beta-BHC	ND	0.00080	0.00073	mg/kg	
319-86-8	delta-BHC	ND	0.00080	0.00077	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00080	0.00059	mg/kg	
5103-71-9	alpha-Chlordane	0.0036	0.00080	0.00065	mg/kg	
5103-74-2	gamma-Chlordane [a]	0.0045	0.00080	0.00036	mg/kg	
60-57-1	Dieldrin	0.0020	0.00080	0.00055	mg/kg	
72-54-8	4,4'-DDD	0.0061	0.00080	0.00074	mg/kg	
72-55-9	4,4'-DDE	ND	0.00080	0.00071	mg/kg	
50-29-3	4,4'-DDT [a]	0.0025	0.00080	0.00071	mg/kg	
72-20-8	Endrin	ND	0.00080	0.00062	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00080	0.00063	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00080	0.00046	mg/kg	
959-98-8	Endosulfan-I	ND	0.00080	0.00046	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00080	0.00050	mg/kg	
76-44-8	Heptachlor	ND	0.00080	0.00069	mg/kg	
1024-57-3	Heptachlor epoxide	0.0023	0.00080	0.00056	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00064	mg/kg	
53494-70-5	Endrin ketone	ND	0.00080	0.00058	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		13-162%
877-09-8	Tetrachloro-m-xylene	59%		13-162%
2051-24-3	Decachlorobiphenyl	93%		10-180%
2051-24-3	Decachlorobiphenyl	1086% [b]		10-180%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK20470.D	1	03/15/23 17:06	MLC	03/14/23 00:40	OP45197	GRK509
Run #2 [a]	RK20489.D	1	03/17/23 15:05	MLC	03/17/23 10:30	OP45197	GRK510

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2	15.2 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.040	0.019	mg/kg	
11104-28-2	Aroclor 1221	ND	0.040	0.025	mg/kg	
11141-16-5	Aroclor 1232	ND	0.040	0.026	mg/kg	
53469-21-9	Aroclor 1242	ND	0.040	0.016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.040	0.036	mg/kg	
11097-69-1	Aroclor 1254	ND	0.040	0.022	mg/kg	
11096-82-5	Aroclor 1260 [b]	ND	0.040	0.017	mg/kg	
11100-14-4	Aroclor 1268	ND	0.040	0.017	mg/kg	
37324-23-5	Aroclor 1262	ND	0.040	0.026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	59%	57%	10-174%
877-09-8	Tetrachloro-m-xylene	56%	54%	10-174%
2051-24-3	Decachlorobiphenyl	65%	77%	10-195%
2051-24-3	Decachlorobiphenyl	81%	308% [c]	10-195%

(a) Confirmation run.
(b) Associated CCV outside of control limits low.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
		Percent Solids:	81.8
Project:	Lyndon Road Landfill		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4690	62	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.5	2.5	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic [a]	< 12	12	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	58.6	25	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.30	0.25	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.62	0.62	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	35400	3100	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium [a]	39.2	6.2	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cobalt	6.6	6.2	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper [a]	47.5	16	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Iron	42500	310	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Lead	284	2.5	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	11800	620	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	406	1.9	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.14	0.039	mg/kg	1	03/15/23	03/16/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	25.8	5.0	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium [a]	< 12	12	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Silver [a]	< 3.1	3.1	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium [a]	< 6.2	6.2	mg/kg	5	03/15/23	03/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	13.9	6.2	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	147	6.2	mg/kg	1	03/15/23	03/17/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53857
(2) Instrument QC Batch: MA53868
(3) Instrument QC Batch: MA53880
(4) Prep QC Batch: MP38411
(5) Prep QC Batch: MP38416

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
		Percent Solids:	81.8
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.40 NC		su	1	03/16/23 19:26	MM	SW846 9045D
Cyanide	0.94	0.29	mg/kg	1	03/14/23 12:55	MM	SW846 9012B/LACHAT
Cyanide Reactivity	< 12	12	mg/kg	1	03/14/23 13:25	MM	SW846 CHAP7/9012 B
Ignitability (Flashpoint)	> 200		Deg. F	1	03/16/23 19:44	MM	SW846 1010B/ASTM D93
Solids, Percent	81.8		%	1	03/14/23 15:51	RP	SM2540 G 18TH ED MOD
Sulfide Reactivity	< 120	120	mg/kg	1	03/16/23 10:55	MK	SW846 CHAP7/9034
Total Organic Carbon	38100	120	mg/kg	1	03/15/23 12:51	MB	LLOYD KAHN 1988 MOD
pH [a]	7.40		su	1	03/16/23 18:58	MM	SW846 9045D

(a) Temp of pH Reading: 20.7 Deg. C

RL = Reporting Limit

Report of Analysis

Client Sample ID: LR-TT04-DRUM-COMP-031023
Lab Sample ID: JD61785-5A
Matrix: SO - Soil
Method: SW846 8260D SW846 1311
Project: Lyndon Road Landfill

Date Sampled: 03/10/23
Date Received: 03/10/23
Percent Solids: 81.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2F4069.D	5	03/22/23 13:18	NW	03/13/23 11:00	GP45583	V2F134
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.0021	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.034	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0028	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0028	mg/l	
67-66-3	Chloroform [a]	0.0038	D022	6.0	0.0050	0.0025	mg/l	JB
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0030	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0030	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0045	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0026	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	104%		64-135%
2037-26-5	Toluene-D8	102%		76-117%
460-00-4	4-Bromofluorobenzene	98%		72-122%

(a) Indicates analyte found in associated leachate blank.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E121502.D	1	03/17/23 16:38	JY	03/16/23 09:02	OP45222	E3E5607
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-73%
4165-62-2	Phenol-d5	32%		10-64%
118-79-6	2,4,6-Tribromophenol	81%		31-130%
4165-60-0	Nitrobenzene-d5	86%		28-126%
321-60-8	2-Fluorobiphenyl	78%		26-114%
1718-51-0	Terphenyl-d14	81%		16-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165543.D	1	03/18/23 05:20	RK	03/16/23 08:35	OP45223	GOA5852
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	0.0022	D016	10	0.0033	0.00098	mg/l	J
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	69%		13-169%
19719-28-9	2,4-DCAA	98%		13-169%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89438.D	1	03/17/23 05:06	RK	03/16/23 10:20	OP45224	G6G3238
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		30-137%
877-09-8	Tetrachloro-m-xylene	83%		30-137%
2051-24-3	Decachlorobiphenyl	60%		10-137%
2051-24-3	Decachlorobiphenyl	90%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5A	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
		Percent Solids:	81.8
Project:	Lyndon Road Landfill		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Barium	0.51	D005	100	0.20	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	03/17/23	03/19/23	LM	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	03/15/23	03/16/23	ND	SW846 6010D [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA53868
(2) Instrument QC Batch: MA53876
(3) Prep QC Batch: MP38422
(4) Prep QC Batch: MP38491

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

SO
SLL

SGS CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX tracking # 7715 3244 2938 | Bottle Order Control # JD61785
SGS Quote # | SGS Job # MM-0832-198

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W. Washington St
City State Zip: Syracuse NY
Project Contact E-mail: Robert.Trent@Ramboll.com
Phone #: 585-747-7650
Sampler(s) Name(s) Phone #: BHaynes RBrett

Project Information

Project Name: Lyndon Landfill
Street: 80 Lyndon Rd
City State: Fairport NY
Project #: 1940102910
Client Purchase Order #:
Project Manager: Robert Trent

Billing Information (if different from Report to)
Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	8260 TCL 20+, soil kg	8260 TCL 20+ ABBR 20 TCL 20+ PFAS (28), NAPL, HHSIR, PFOS/PFOA TCL, Oxygen	Lead 6010 Subset 40, soil kg	TCLP Fluid, RCRA 8 Metals	TCLP Zn	pH Check (Lab Use Only)	LAB USE ONLY
	LR-TB-030923		3/9/23	0930	BH	G	N	TB	2	2									2				
	LR-EB-030923		3/9/23		BH	G	N	EB	3					3							3			
	LR-TT04-DRUM-TOP-030923		3/9/23	1000	BH	G	N	SO	8					5	2	1		4		1	2		1	
	LR-TT04-DRUM-BOTTOM-030923		3/9/23	1010	BH	G	N	SO	8					5	2	1		4		1	2		1	
	LR-TT04-DRUM-COMP-030923		3/9/23	1100	BH	G	N	SO	8					5	2	1		4		1	2		1	
1	LR-TB-031023		3/10/23	0930	BH	G	N	TB	2	2									2				
2	LR-EB-031023		3/10/23	1230	BH	G	N	EB	3					3							3			
	LR-TT04-031023													5	2	1		4		1	2		1	
3	LR-TT04-DRUM-TOP-031023		3/10/23	1000	BH	G	N	SO	8					5	2	1		4		1	2		1	
4	LR-TT04-DRUM-BOTTOM-031023		3/10/23	1010	BH	G	N	SO	8					5	2	1		4		1	2		1	
5	LR-TT4-DRUM-COMP-031023		3/10/23	1100	BH	G	N	SO	8					5	2	1		4		1	2		1	

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

Initial Assessment

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC Valid Values
- [ ] DOD-QSMS

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

http://www.sgs.com/en/terms

Comments / Special Instructions: custody seal 05958 and 05956

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 Brandon Haynes	3/10/23 15:45	1 3/10/23 1600	2 3/10/23	1620	2
3		3	4		4
5		5	Custody Seal #	[ ] Intact [ ] Not Intact [ ] Absent	Therm ID: YD On Ice [X] See Sample Receipt Summary

2.0°C
2.4°C

SGS Sample Receipt Summary

Job Number: JD61785 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - TEST TRENC

Date / Time Received: 3/10/2023 4:20:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0); Cooler 2: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (2.0); Cooler 2: (2.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD61785

Sampling Date: 03/10/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **16**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Sample Summary

Ramboll Americas

Job No: JD61785

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD61785-1	03/10/23	09:30	BH	03/10/23	AQ	Trip Blank Soil	LR-TB-031023
*	JD61785-2	03/10/23	12:30	BH	03/10/23	AQ	Equipment Blank	LR-EB-031023
	JD61785-3	03/10/23	10:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-TOP-031023
	JD61785-3A	03/10/23	10:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-TOP-031023
*	JD61785-3B	03/10/23	10:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-TOP-031023
	JD61785-4	03/10/23	10:10	BH	03/10/23	SO	Soil	LR-TT04-DRUM-BOTTOM-031023
	JD61785-4A	03/10/23	10:10	BH	03/10/23	SO	Soil	LR-TT04-DRUM-BOTTOM-031023
*	JD61785-4B	03/10/23	10:10	BH	03/10/23	SO	Soil	LR-TT04-DRUM-BOTTOM-031023
	JD61785-5	03/10/23	11:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-COMP-031023
	JD61785-5A	03/10/23	11:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-COMP-031023
*	JD61785-5B	03/10/23	11:00	BH	03/10/23	SO	Soil	LR-TT04-DRUM-COMP-031023

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

* The following report applies to these samples only (14 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-EB-031023		
Lab Sample ID:	JD61785-2	**Date Sampled:**	03/10/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q14975.D	1	03/17/23 12:11	AFL	03/15/23 10:00	F:OP95901	F:S6Q227
Run #2							

	Initial Volume	Final Volume
Run #1	550 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0073	0.0036	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0036	0.00091	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00045	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00045	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00045	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00055	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00045	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00055	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00055	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00076	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00045	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00091	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00091	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00091	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00091	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00091	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00091	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0073	0.0036	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0073	0.0036	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0073	0.0037	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00091	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00091	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00091	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-031023		
Lab Sample ID:	JD61785-2	**Date Sampled:**	03/10/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00091	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0091	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0091	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0073	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0073	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0036	0.00091	ug/l	
863090-89-5	PFMBA	ND	0.0036	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0036	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0073	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0073	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0036	0.00091	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0091	0.0045	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.045	0.0091	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.045	0.0091	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	111%		20-150%
	13C5-PFPeA	106%		20-150%
	13C5-PFHxA	107%		20-150%
	13C4-PFHpA	106%		20-150%
	13C8-PFOA	98%		20-150%
	13C9-PFNA	110%		20-150%
	13C6-PFDA	101%		20-150%
	13C7-PFUnDA	100%		20-150%
	13C2-PFDoDA	90%		20-150%
	13C2-PFTeDA	79%		20-150%
	13C3-PFBS	107%		20-150%
	13C3-PFHxS	111%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-031023		
Lab Sample ID:	JD61785-2	**Date Sampled:**	03/10/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	105%		20-150%
	13C8-FOSA	93%		20-150%
	d3-MeFOSA	79%		20-150%
	d5-EtFOSA	82%		20-150%
	d3-MeFOSAA	105%		20-150%
	d5-EtFOSAA	98%		20-150%
	d7-MeFOSE	88%		20-150%
	d9-EtFOSE	86%		20-150%
	13C2-4:2FTS	110%		20-150%
	13C2-6:2FTS	115%		20-150%
	13C2-8:2FTS	97%		20-150%
	13C3-HFPO-DA	109%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3B	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15137.D	1	03/21/23 23:09	AFL	03/15/23 09:00	F:OP95900	F:S6Q229
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00063	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00030	0.00050	0.00013	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00027	0.00025	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00025	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0011	0.00025	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	0.00017	0.00025	0.00014	mg/kg	J
335-76-2	Perfluorodecanoic acid	0.00020	0.00025	0.00013	mg/kg	J
2058-94-8	Perfluoroundecanoic acid	ND	0.00025	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00025	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00025	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00025	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00025	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00025	0.00020	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00058	0.00025	0.00020	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00018	0.00025	0.00018	mg/kg	J
1763-23-1	Perfluorooctanesulfonic acid	0.0282	0.00025	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00025	0.00023	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00025	0.00018	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00025	0.00019	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00050	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00050	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00076	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	0.00035	0.00025	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00025	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00025	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3B	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00025	0.00020	mg/kg	
2991-50-6	EtFOSAA	0.00088	0.00025	0.00025	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0025	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0025	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00036	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00042	mg/kg	
377-73-1	PFMPA	ND	0.00050	0.00025	mg/kg	
863090-89-5	PFMBA	ND	0.00050	0.00025	mg/kg	
151772-58-6	NFDHA	ND	0.00050	0.00031	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00055	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00050	mg/kg	
113507-82-7	PFEESA	ND	0.00050	0.00025	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00064	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0063	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0063	0.0016	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	84%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	86%		20-150%
	13C4-PFHpA	86%		20-150%
	13C8-PFOA	85%		20-150%
	13C9-PFNA	80%		20-150%
	13C6-PFDA	84%		20-150%
	13C7-PFUnDA	87%		20-150%
	13C2-PFDoDA	83%		20-150%
	13C2-PFTeDA	98%		20-150%
	13C3-PFBS	79%		20-150%
	13C3-PFHxS	83%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-TOP-031023		
Lab Sample ID:	JD61785-3B	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.4
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	72%		20-150%
	13C8-FOSA	90%		20-150%
	d3-MeFOSA	78%		20-150%
	d5-EtFOSA	78%		20-150%
	d3-MeFOSAA	105%		20-150%
	d5-EtFOSAA	128%		20-150%
	d7-MeFOSE	78%		20-150%
	d9-EtFOSE	67%		20-150%
	13C2-4:2FTS	85%		20-150%
	13C2-6:2FTS	94%		20-150%
	13C2-8:2FTS	89%		20-150%
	13C3-HFPO-DA	76%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4B	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15140.D	1	03/21/23 23:51	AFL	03/15/23 09:00	F:OP95900	F:S6Q229
Run #2 [b]	6Q15206.D	5	03/22/23 21:04	AFL	03/15/23 09:00	F:OP95900	F:S6Q230

	Initial Weight	Final Volume
Run #1	5.01 g	5.0 ml
Run #2	5.01 g	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00095	0.00060	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00048	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00029	0.00024	0.00012	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00017	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0040	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00095	0.00048	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00095	0.00048	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00095	0.00072	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00016	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4B	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND [c]	0.0012	0.0012	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00095	0.00034	mg/kg	
919005-14-4	ADONA	ND	0.00095	0.00040	mg/kg	
377-73-1	PFMPA	ND	0.00048	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00048	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00048	0.00029	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00095	0.00052	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00095	0.00048	mg/kg	
113507-82-7	PFEESA	ND	0.00048	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00061	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0060	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0060	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	82%	84%	20-150%
	13C5-PFPeA	82%	80%	20-150%
	13C5-PFHxA	82%	78%	20-150%
	13C4-PFHpA	86%	80%	20-150%
	13C8-PFOA	83%	80%	20-150%
	13C9-PFNA	85%	81%	20-150%
	13C6-PFDA	91%	80%	20-150%
	13C7-PFUnDA	98%	84%	20-150%
	13C2-PFDoDA	94%	79%	20-150%
	13C2-PFTeDA	101%	82%	20-150%
	13C3-PFBS	83%	73%	20-150%
	13C3-PFHxS	79%	81%	20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-BOTTOM-031023		
Lab Sample ID:	JD61785-4B	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	83.7
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	79%	76%	20-150%
	13C8-FOSA	92%	83%	20-150%
	d3-MeFOSA	69%	78%	20-150%
	d5-EtFOSA	65%	84%	20-150%
	d3-MeFOSAA	105%	92%	20-150%
	d5-EtFOSAA	155% [d]	101%	20-150%
	d7-MeFOSE	70%	80%	20-150%
	d9-EtFOSE	61%	76%	20-150%
	13C2-4:2FTS	87%	84%	20-150%
	13C2-6:2FTS	102%	83%	20-150%
	13C2-8:2FTS	99%	88%	20-150%
	13C3-HFPO-DA	80%	81%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Dilution required due to matrix interference (internal standard failure). Analysis performed at SGS Orlando, FL.
(c) Result is from Run# 2
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5B	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15141.D	1	03/22/23 00:05	AFL	03/15/23 09:00	F:OP95900	F:S6Q229
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00098	0.00061	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00016	0.00049	0.00012	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00020	0.00024	0.00012	mg/kg	J
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00056	0.00024	0.00012	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0096	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00098	0.00049	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00098	0.00049	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00098	0.00073	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5B	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00024	0.00024	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00098	0.00035	mg/kg	
919005-14-4	ADONA	ND	0.00098	0.00041	mg/kg	
377-73-1	PFMPA	ND	0.00049	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00049	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00049	0.00030	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00098	0.00054	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00098	0.00049	mg/kg	
113507-82-7	PFEESA	ND	0.00049	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00062	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0061	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0061	0.0016	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	79%		20-150%
	13C5-PFPeA	73%		20-150%
	13C5-PFHxA	73%		20-150%
	13C4-PFHpA	76%		20-150%
	13C8-PFOA	82%		20-150%
	13C9-PFNA	88%		20-150%
	13C6-PFDA	76%		20-150%
	13C7-PFUnDA	83%		20-150%
	13C2-PFDoDA	82%		20-150%
	13C2-PFTeDA	100%		20-150%
	13C3-PFBS	73%		20-150%
	13C3-PFHxS	74%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-DRUM-COMP-031023		
Lab Sample ID:	JD61785-5B	**Date Sampled:**	03/10/23
Matrix:	SO - Soil	**Date Received:**	03/10/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	78%		20-150%
	13C8-FOSA	94%		20-150%
	d3-MeFOSA	74%		20-150%
	d5-EtFOSA	68%		20-150%
	d3-MeFOSAA	112%		20-150%
	d5-EtFOSAA	135%		20-150%
	d7-MeFOSE	70%		20-150%
	d9-EtFOSE	61%		20-150%
	13C2-4:2FTS	85%		20-150%
	13C2-6:2FTS	91%		20-150%
	13C2-8:2FTS	94%		20-150%
	13C3-HFPO-DA	71%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SO
SLL

SGS CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX tracking # 7715 3244 2938 | Bottle Order Control # JD61785
SGS Quote # | SGS Job # MM-0832-198

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W. Washington St
City State Zip: Syracuse NY
Project Contact E-mail: Robert.Trent@Ramboll.com
Phone #: 585-747-7650
Sampler(s) Name(s) Phone #: BHaynes RBrett

Project Information

Project Name: Lyndon Landfill
Street: 80 Lyndon Rd
City State: Fairport NY
Project #: 1940102910
Client Purchase Order #:
Project Manager: Robert Trent

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	8260TCL20+, soil kit	8260TCL20+	ABFE2O3TCL20+ PFAS(28), MTBE, HHSIR, PFOS/PFOA TCL, Oxygen	Lead63SLUST40, soil kit	Lead63SLUST40	TCLP Fluid, RCRACAS	TCLP ZHE	LAB USE ONLY
	LR-TB-030923		3/9/23	0930	BH	G	N	TB	2	2									2						
	LR-EB-030923		3/9/23		BH	G	N	EB	3					3								3			
	LR-TT04-DRUM-TOP-030923		3/9/23	1000	BH	G	N	SO	8					5	2	1		4		1	2		1		
	LR-TT04-DRUM-BOTTOM-030923		3/9/23	1010	BH	G	N	SO	8					5	2	1		4		1	2		1		
	LR-TT04-DRUM-COMP-030923		3/9/23	1100	BH	G	N	SO	8					5	2	1		4		1	2		1		
1	LR-TB-031023		3/10/23	0930	BH	G	N	TB	2	2									2						
2	LR-EB-031023		3/10/23	1230	BH	G	N	EB	3					3								3			
	LR-TT04-031023													5	2	1		4		1	2		1		
3	LR-TT04-DRUM-TOP-031023		3/10/23	1000	BH	G	N	SO	8					5	2	1		4		1	2		1	1	2
4	LR-TT04-DRUM-BOTTOM-031023		3/10/23	1010	BH	G	N	SO	8					5	2	1		4		1	2		1	1	2
5	LR-TT4-DRUM-COMP-031023		3/10/23	1100	BH	G	N	SO	8					5	2	1		4		1	2		1	1	2

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

Initial Assessment

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC Valid Values
- [ ] DOD-QSMS

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

http://www.sgs.com/en/terms

Comments / Special Instructions

custody seal
05958 and 05956

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 Brandon Haynes	3/10/23 15:45	3/10/23 1600	2	3/10/23	1620 2
3		3	4		4
5		5	Custody Seal #	[ ] Intact [ ] Not Intact [ ] Absent	Therm ID: YD On Ice [X] See Sample Receipt Summary

2.0°C
2.4°C

SGS Sample Receipt Summary

Job Number: JD61785 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - TEST TRENC

Date / Time Received: 3/10/2023 4:20:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0); Cooler 2: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (2.0); Cooler 2: (2.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD62631

Sampling Date: 03/22/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: 33

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD62631

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD62631-1	03/22/23	16:45	RB	03/23/23	AQ	Equipment Blank	LR-EB-032223
*	JD62631-2	03/22/23	17:15	RB	03/23/23	AQ	Trip Blank Water	LT-TB-032223
*	JD62631-3	03/22/23	09:10	RB	03/23/23	AQ	Ground Water	LR-MW06-032223
	JD62631-3A	03/22/23	09:10	RB	03/23/23	AQ	Ground Water	LR-MW06-032223
*	JD62631-4	03/22/23	09:55	JL	03/23/23	AQ	Ground Water	LR-MW07-032223
	JD62631-4A	03/22/23	09:55	JL	03/23/23	AQ	Ground Water	LR-MW07-032223
*	JD62631-4D	03/22/23	09:55	JL	03/23/23	AQ	Water Dup/MSD	LR-MW07-032223_MSD
	JD62631-4DA	03/22/23	09:55	JL	03/23/23	AQ	Water Dup/MSD	LR-MW07-032223_MSD
*	JD62631-4S	03/22/23	09:55	JL	03/23/23	AQ	Water Matrix Spike	LR-MW07-032223_MS
	JD62631-4SA	03/22/23	09:55	JL	03/23/23	AQ	Water Matrix Spike	LR-MW07-032223_MS
*	JD62631-5	03/22/23	11:10	RB	03/23/23	AQ	Ground Water	LR-MW02-032223
	JD62631-5A	03/22/23	11:10	RB	03/23/23	AQ	Ground Water	LR-MW02-032223

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Sample Summary
(continued)

Ramboll Americas

Job No: JD62631

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD62631-6	03/22/23	15:00	RB	03/23/23	AQ	Ground Water	LR-MW04-032223
	JD62631-6A	03/22/23	15:00	RB	03/23/23	AQ	Ground Water	LR-MW04-032223
*	JD62631-7	03/22/23	17:15	RB	03/23/23	AQ	Ground Water	LR-MW01-032223
	JD62631-7A	03/22/23	17:15	RB	03/23/23	AQ	Ground Water	LR-MW01-032223

* The following report applies to these samples only (7 day TAT).

Report of Analysis

Client Sample ID:	LT-TB-032223		
Lab Sample ID:	JD62631-2	**Date Sampled:**	03/22/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G1335A.D	1	03/30/23 16:58	KD	n/a	n/a	V1G49
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LT-TB-032223		
Lab Sample ID:	JD62631-2	**Date Sampled:**	03/22/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [a]	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G1337A.D	1	03/30/23 17:48	KD	n/a	n/a	V1G49
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [a]	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.04	7	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CJ259.D	1	03/30/23 01:30	RS	03/29/23 08:25	OP45462	ECJ19
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		10-71%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	21%		10-58%
118-79-6	2,4,6-Tribromophenol	85%		22-144%
4165-60-0	Nitrobenzene-d5	58%		28-118%
321-60-8	2-Fluorobiphenyl	63%		34-116%
1718-51-0	Terphenyl-d14	55%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS1429.D	1	03/30/23 19:10	RS	03/29/23 08:25	OP45462A	ECS78
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.0927	0.10	0.050	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	46%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4369.D	1	03/31/23 02:23	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND	41	28	ug/l	
93-65-2	MCPP [a]	ND	41	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	49%		10-150%
19719-28-9	2,4-DCAA	47%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183849.D	1	03/29/23 00:37	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0082	0.0042	ug/l	
319-84-6	alpha-BHC	ND	0.0082	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0082	0.0065	ug/l	
319-86-8	delta-BHC	ND	0.0082	0.0054	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0082	0.0049	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0082	0.0040	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0082	0.0035	ug/l	
60-57-1	Dieldrin	ND	0.0082	0.0063	ug/l	
72-54-8	4,4'-DDD	ND	0.0082	0.0047	ug/l	
72-55-9	4,4'-DDE [a]	ND	0.0082	0.0041	ug/l	
50-29-3	4,4'-DDT	ND	0.0082	0.0056	ug/l	
72-20-8	Endrin	ND	0.0082	0.0049	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0082	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0082	0.0055	ug/l	
53494-70-5	Endrin ketone	ND	0.0082	0.0051	ug/l	
959-98-8	Endosulfan-I [b]	ND	0.0082	0.0043	ug/l	
33213-65-9	Endosulfan-II	ND	0.0082	0.0040	ug/l	
76-44-8	Heptachlor	ND	0.0082	0.0037	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0082	0.0049	ug/l	
72-43-5	Methoxychlor [a]	ND	0.016	0.0055	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-175%
877-09-8	Tetrachloro-m-xylene	69%		10-175%
2051-24-3	Decachlorobiphenyl	35%		10-128%
2051-24-3	Decachlorobiphenyl	48%		10-128%

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499306.D	1	03/29/23 03:12	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.41	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.41	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.41	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.41	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.41	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.41	0.34	ug/l	
11096-82-5	Aroclor 1260	ND	0.41	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.41	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.41	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		10-169%
877-09-8	Tetrachloro-m-xylene	65%		10-169%
2051-24-3	Decachlorobiphenyl	34%		10-130%
2051-24-3	Decachlorobiphenyl	29%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1550	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony [a]	< 30	30	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	10.9	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	507000	25000	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	10600	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead [a]	< 15	15	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	62100	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	436	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/29/23	03/30/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium [a]	< 50	50	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	210000	50000	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53931
(2) Instrument QC Batch: MA53939
(3) Prep QC Batch: MP38701
(4) Prep QC Batch: MP38749

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 11:06	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G1336A.D	1	03/30/23 17:23	KD	n/a	n/a	V1G49
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [a]	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-032223
Lab Sample ID: JD62631-4
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/22/23
Date Received: 03/23/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CJ260.D	1	03/30/23 01:49	RS	03/29/23 08:25	OP45462	ECJ19
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND	1.1	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.1	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.52	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	ND	1.1	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.18	ug/l	
129-00-0	Pyrene	ND	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-71%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	28%		10-58%
118-79-6	2,4,6-Tribromophenol	91%		22-144%
4165-60-0	Nitrobenzene-d5	68%		28-118%
321-60-8	2-Fluorobiphenyl	74%		34-116%
1718-51-0	Terphenyl-d14	59%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS1428.D	1	03/30/23 18:51	RS	03/29/23 08:25	OP45462A	ECS78
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.11	0.053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	107%		23-127%
321-60-8	2-Fluorobiphenyl	78%		23-114%
1718-51-0	Terphenyl-d14	51%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4370.D	1	03/31/23 02:45	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND	41	28	ug/l	
93-65-2	MCPP [a]	ND	41	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	25%		10-150%
19719-28-9	2,4-DCAA	24%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-032223
Lab Sample ID: JD62631-4
Matrix: AQ - Ground Water
Method: SW846 8081B SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/22/23
Date Received: 03/23/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183850.D	1	03/29/23 00:54	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		10-175%
877-09-8	Tetrachloro-m-xylene	82%		10-175%
2051-24-3	Decachlorobiphenyl	71%		10-128%
2051-24-3	Decachlorobiphenyl	102%		10-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499307.D	1	03/29/23 03:29	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-169%
877-09-8	Tetrachloro-m-xylene	72%		10-169%
2051-24-3	Decachlorobiphenyl	62%		10-130%
2051-24-3	Decachlorobiphenyl	56%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony [a]	< 30	30	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	13.6	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	306000	25000	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	941	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead [a]	< 15	15	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	91700	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	111	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/29/23	03/30/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium [a]	< 50	50	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	36600	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53931
(2) Instrument QC Batch: MA53939
(3) Prep QC Batch: MP38701
(4) Prep QC Batch: MP38749

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 11:03	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW02-032223		
Lab Sample ID:	JD62631-5	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS1430.D	1	03/30/23 19:29	RS	03/29/23 08:25	OP45462A	ECS78
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.965	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		23-127%
321-60-8	2-Fluorobiphenyl	75%		23-114%
1718-51-0	Terphenyl-d14	29%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW04-032223		
Lab Sample ID:	JD62631-6	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS1431.D	1	03/30/23 19:49	RS	03/29/23 08:25	OP45462A	ECS78
Run #2	4M115361.D	5	04/06/23 23:26	JY	03/29/23 08:25	OP45462A	E4M5378

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	9.13 [a]	0.50	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	121%	91%	23-127%
321-60-8	2-Fluorobiphenyl	96%	86%	23-114%
1718-51-0	Terphenyl-d14	37%	34%	10-121%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW01-032223		
Lab Sample ID:	JD62631-7	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS1432.D	1	03/30/23 20:08	RS	03/29/23 08:25	OP45462A	ECS78
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.265	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	24%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

GW WTSB NTM

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FEDEX Tracking #: | Bottle Order Control #: MM-031423-TO
SGS Quote #: | SGS Job #: JD62631

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W. Washington St
City: Syracuse State: NY Zip:
Project Contact: R. Trent E-mail:
Phone #: 585 747 7605
Sampler(s) Name(s): R Britt J Laubach Phone #:

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Rd
City: State:
Project #: 1940107910
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	Matrix Codes	LAB USE ONLY
1	LR-EB-032223	1	3/22/23	1645	RB	G	N	EB	3					3						
2	LR-TB-032223	2	3/22/23	0900	RB	G	N	TB	2	2										
3	LR-MW06-032223	3	3/22/23	0910	RB	G	N	GW	16	3	1	1		11						
4	LR-MW07-032223-MSD		3/22/23	0955	JL	G	N	GW	16	3	1	1		11						
5	LR-MW07-032223-MS	-4	3/22/23	0955	JL	G	N	GW	16	3	1	1		11						
6	LR-MW07-032223	-5	3/22/23	0955	JL	G	N	GW	16	3	1	1		11						
	LR-MW02-032223	-5	3/22/23	1610	RB	G	N	GW	5					5						
	LR-MW01-032223	-6	3/22/23	1500	RB	G	N	GW	5					5						
	LR-MW01-032223	-7	3/22/23	0715	RB	G	N	GW	5					5						

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage | * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format NYSDEC Valid Value

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

IL 8270 broken in transit DL
3B
Vials not labeled bag only
• 4x B50M Herb/pest/PCB

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		1 FX	2 FX	3/23/23 10:00	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: UP On Ice / See Sample Receipt Summary / Cooler Temp. °C: 3.0, 2.8, 4.0, 4.2 °C

EHSA-QAC-0023-05 Rev.Date:8/5/22

SGS Sample Receipt Summary

Job Number: JD62631 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - GROUNDWATE

Date / Time Received: 3/23/2023 10:00:00 AM **Delivery Method:** FedEx **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0); Cooler 2: (2.8); Cooler 3: (4.0); Cooler 4: (4.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.8); Cooler 2: (2.6); Cooler 3: (3.8); Cooler 4: (3.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	4		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Broken / Leaking		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments: Sample -6: Received 1 of 2, 950mL unpreserved amber glass volumes for 8270 analysis broken. Limited volume.

Responded to by: Marie Meidhof

Response Date: 3/27

Ok proceed; note limited 8270 volume for -6.

JD62631: Chain of Custody
Page 3 of 3

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD62631

Sampling Date: 03/22/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: 24

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD62631

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD62631-1	03/22/23	16:45	RB	03/23/23	AQ	Equipment Blank	LR-EB-032223
	JD62631-2	03/22/23	17:15	RB	03/23/23	AQ	Trip Blank Water	LT-TB-032223
	JD62631-3	03/22/23	09:10	RB	03/23/23	AQ	Ground Water	LR-MW06-032223
*	JD62631-3A	03/22/23	09:10	RB	03/23/23	AQ	Ground Water	LR-MW06-032223
	JD62631-4	03/22/23	09:55	JL	03/23/23	AQ	Ground Water	LR-MW07-032223
*	JD62631-4A	03/22/23	09:55	JL	03/23/23	AQ	Ground Water	LR-MW07-032223
	JD62631-4D	03/22/23	09:55	JL	03/23/23	AQ	Water Dup/MSD	LR-MW07-032223_MSD
*	JD62631-4DA	03/22/23	09:55	JL	03/23/23	AQ	Water Dup/MSD	LR-MW07-032223_MSD
	JD62631-4S	03/22/23	09:55	JL	03/23/23	AQ	Water Matrix Spike	LR-MW07-032223_MS
*	JD62631-4SA	03/22/23	09:55	JL	03/23/23	AQ	Water Matrix Spike	LR-MW07-032223_MS
	JD62631-5	03/22/23	11:10	RB	03/23/23	AQ	Ground Water	LR-MW02-032223
*	JD62631-5A	03/22/23	11:10	RB	03/23/23	AQ	Ground Water	LR-MW02-032223

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Sample Summary
(continued)

Ramboll Americas

Job No: JD62631

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD62631-6	03/22/23	15:00	RB	03/23/23	AQ	Ground Water	LR-MW04-032223
*	JD62631-6A	03/22/23	15:00	RB	03/23/23	AQ	Ground Water	LR-MW04-032223
	JD62631-7	03/22/23	17:15	RB	03/23/23	AQ	Ground Water	LR-MW01-032223
*	JD62631-7A	03/22/23	17:15	RB	03/23/23	AQ	Ground Water	LR-MW01-032223

* The following report applies to these samples only (14 day TAT).

Report of Analysis

Client Sample ID:	LR-EB-032223		
Lab Sample ID:	JD62631-1	**Date Sampled:**	03/22/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16067.D	1	04/05/23 04:28	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	535 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0075	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0037	0.00093	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0019	0.00047	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0019	0.00047	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0019	0.00047	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00057	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00047	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00079	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00047	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0019	0.00093	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0075	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0075	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0075	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-032223		
Lab Sample ID:	JD62631-1	**Date Sampled:**	03/22/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0075	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0075	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0075	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0075	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0047	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.047	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.047	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	98%		20-150%
	13C5-PFPeA	106%		20-150%
	13C5-PFHxA	103%		20-150%
	13C4-PFHpA	101%		20-150%
	13C8-PFOA	95%		20-150%
	13C9-PFNA	103%		20-150%
	13C6-PFDA	97%		20-150%
	13C7-PFUnDA	90%		20-150%
	13C2-PFDoDA	74%		20-150%
	13C2-PFTeDA	57%		20-150%
	13C3-PFBS	91%		20-150%
	13C3-PFHxS	93%		20-150%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-032223		
Lab Sample ID:	JD62631-1	**Date Sampled:**	03/22/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	98%		20-150%
	13C8-FOSA	75%		20-150%
	d3-MeFOSA	56%		20-150%
	d5-EtFOSA	52%		20-150%
	d3-MeFOSAA	85%		20-150%
	d5-EtFOSAA	82%		20-150%
	d7-MeFOSE	63%		20-150%
	d9-EtFOSE	59%		20-150%
	13C2-4:2FTS	103%		20-150%
	13C2-6:2FTS	108%		20-150%
	13C2-8:2FTS	97%		20-150%
	13C3-HFPO-DA	100%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16068.D	1	04/05/23 04:42	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	460 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.107	0.0087	0.0043	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0043	0.0011	ug/l	
307-24-4	Perfluorohexanoic acid	0.0010	0.0022	0.00054	ug/l	J
375-85-9	Perfluoroheptanoic acid	ND	0.0022	0.00054	ug/l	
335-67-1	Perfluorooctanoic acid	0.0034	0.0022	0.00054	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0022	0.00066	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0022	0.00054	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0022	0.00065	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0022	0.00065	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0022	0.00091	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0022	0.00054	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0022	0.0011	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0022	0.0012	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0022	0.0011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0022	0.0011	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0022	0.0022	0.0011	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0022	0.0011	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0022	0.0011	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0022	0.0012	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0087	0.0045	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0022	0.0011	ug/l	
31506-32-8	MeFOSA	ND	0.0022	0.0011	ug/l	
4151-50-2	EtFOSA	ND	0.0022	0.0011	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0022	0.0011	ug/l	
2991-50-6	EtFOSAA	ND	0.0022	0.0014	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.022	0.011	ug/l	
1691-99-2	EtFOSE	ND	0.022	0.011	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0087	0.0022	ug/l	
919005-14-4	ADONA	ND	0.0087	0.0022	ug/l	
377-73-1	PFMPA	ND	0.0043	0.0011	ug/l	
863090-89-5	PFMBA	ND	0.0043	0.0012	ug/l	
151772-58-6	NFDHA	ND	0.0043	0.0013	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0087	0.0022	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0087	0.0022	ug/l	
113507-82-7	PFEESA	ND	0.0043	0.0011	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.011	0.0054	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.054	0.011	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.054	0.011	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	62%		20-150%
	13C5-PFPeA	101%		20-150%
	13C5-PFHxA	99%		20-150%
	13C4-PFHpA	97%		20-150%
	13C8-PFOA	90%		20-150%
	13C9-PFNA	83%		20-150%
	13C6-PFDA	76%		20-150%
	13C7-PFUnDA	61%		20-150%
	13C2-PFDoDA	44%		20-150%
	13C2-PFTeDA	41%		20-150%
	13C3-PFBS	93%		20-150%
	13C3-PFHxS	87%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	79%		20-150%
	13C8-FOSA	69%		20-150%
	d3-MeFOSA	40%		20-150%
	d5-EtFOSA	38%		20-150%
	d3-MeFOSAA	57%		20-150%
	d5-EtFOSAA	53%		20-150%
	d7-MeFOSE	45%		20-150%
	d9-EtFOSE	44%		20-150%
	13C2-4:2FTS	94%		20-150%
	13C2-6:2FTS	98%		20-150%
	13C2-8:2FTS	64%		20-150%
	13C3-HFPO-DA	93%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16073.D	1	04/05/23 05:52	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	505 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0079	0.0040	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0040	0.00099	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0020	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0020	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0020	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00060	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00059	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00059	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00083	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00050	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0020	0.00099	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0020	0.00099	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.00099	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0020	0.00099	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.00099	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.00099	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0079	0.0040	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0079	0.0040	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0079	0.0041	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0020	0.00099	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.00099	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.00099	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0020	0.00099	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.0099	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.0099	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0079	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0079	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0040	0.00099	ug/l	
863090-89-5	PFMBA	ND	0.0040	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0040	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0079	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0079	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0040	0.00099	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0099	0.0050	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.050	0.0099	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.050	0.0099	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	92%		20-150%
	13C5-PFPeA	109%		20-150%
	13C5-PFHxA	104%		20-150%
	13C4-PFHpA	97%		20-150%
	13C8-PFOA	97%		20-150%
	13C9-PFNA	94%		20-150%
	13C6-PFDA	85%		20-150%
	13C7-PFUnDA	81%		20-150%
	13C2-PFDoDA	70%		20-150%
	13C2-PFTeDA	75%		20-150%
	13C3-PFBS	94%		20-150%
	13C3-PFHxS	98%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	80%		20-150%
	13C8-FOSA	78%		20-150%
	d3-MeFOSA	64%		20-150%
	d5-EtFOSA	62%		20-150%
	d3-MeFOSAA	76%		20-150%
	d5-EtFOSAA	69%		20-150%
	d7-MeFOSE	63%		20-150%
	d9-EtFOSE	64%		20-150%
	13C2-4:2FTS	109%		20-150%
	13C2-6:2FTS	114%		20-150%
	13C2-8:2FTS	90%		20-150%
	13C3-HFPO-DA	103%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW02-032223		
Lab Sample ID:	JD62631-5A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16069.D	1	04/05/23 04:56	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2 [a]	6Q16115.D	10	04/05/23 16:17	AFL	03/31/23 09:58	F:OP96192	F:S6Q240

	Initial Volume	Final Volume
Run #1	495 ml	5.0 ml
Run #2	495 ml	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.912 [b]	0.081	0.040	ug/l	
2706-90-3	Perfluoropentanoic acid	0.154	0.0040	0.0010	ug/l	
307-24-4	Perfluorohexanoic acid	0.308	0.0020	0.00051	ug/l	
375-85-9	Perfluoroheptanoic acid	0.275	0.0020	0.00051	ug/l	
335-67-1	Perfluorooctanoic acid	5.47 [b]	0.020	0.0051	ug/l	
375-95-1	Perfluorononanoic acid	0.0079	0.0020	0.00062	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00051	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00061	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00061	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00085	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00051	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0490	0.0020	0.0010	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	0.0441	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0738	0.0020	0.0010	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	0.0071	0.0020	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0367	0.0020	0.0010	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.0010	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.0010	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0012	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND [b]	0.081	0.040	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND [b]	0.081	0.040	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND [b]	0.081	0.042	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0020	0.0010	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.0010	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW02-032223		
Lab Sample ID:	JD62631-5A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0020	0.0010	ug/l	
2991-50-6	EtFOSAA	0.0042	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.010	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.010	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0081	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0081	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0040	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0040	0.0012	ug/l	
151772-58-6	NFDHA	ND	0.0040	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0081	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0081	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0040	0.0010	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.010	0.0051	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	0.0537	0.051	0.010	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [c]	ND	0.051	0.010	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	19% [d]	22%	20-150%
	13C5-PFPeA	60%	71%	20-150%
	13C5-PFHxA	98%	87%	20-150%
	13C4-PFHpA	112%	88%	20-150%
	13C8-PFOA	102%	97%	20-150%
	13C9-PFNA	101%	93%	20-150%
	13C6-PFDA	96%	98%	20-150%
	13C7-PFUnDA	93%	99%	20-150%
	13C2-PFDoDA	65%	59%	20-150%
	13C2-PFTeDA	43%	49%	20-150%
	13C3-PFBS	102%	105%	20-150%
	13C3-PFHxS	107%	86%	20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW02-032223		
Lab Sample ID:	JD62631-5A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	101%	78%	20-150%
	13C8-FOSA	106%	90%	20-150%
	d3-MeFOSA	63%	55%	20-150%
	d5-EtFOSA	54%	61%	20-150%
	d3-MeFOSAA	136%	90%	20-150%
	d5-EtFOSAA	135%	87%	20-150%
	d7-MeFOSE	63%	55%	20-150%
	d9-EtFOSE	56%	49%	20-150%
	13C2-4:2FTS	173% [d]	106%	20-150%
	13C2-6:2FTS	221% [d]	127%	20-150%
	13C2-8:2FTS	173% [d]	57%	20-150%
	13C3-HFPO-DA	70%	90%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Result is from Run# 2
(c) Associated Low Level CCV outside of control limits high, sample was ND.
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW04-032223		
Lab Sample ID:	JD62631-6A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16070.D	1	04/05/23 05:10	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2 [a]	6Q16116.D	5	04/05/23 16:31	AFL	03/31/23 09:58	F:OP96192	F:S6Q240

	Initial Volume	Final Volume
Run #1	508 ml	5.0 ml
Run #2	508 ml	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.453	0.0079	0.0039	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0646	0.0039	0.00098	ug/l	
307-24-4	Perfluorohexanoic acid	0.0712	0.0020	0.00049	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0606	0.0020	0.00049	ug/l	
335-67-1	Perfluorooctanoic acid	1.07 [b]	0.0098	0.0025	ug/l	
375-95-1	Perfluorononanoic acid	0.0022	0.0020	0.00060	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00049	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00059	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00059	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00083	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00049	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0155	0.0020	0.00098	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	0.0170	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0297	0.0020	0.00098	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	0.0033	0.0020	0.00098	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0378	0.0020	0.00098	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.00098	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.00098	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND [b]	0.039	0.020	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND [b]	0.039	0.020	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [c]	ND	0.0079	0.0040	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0020	0.00098	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.00098	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.00098	ug/l	

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW04-032223		
Lab Sample ID:	JD62631-6A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0020	0.00098	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.0098	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.0098	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0079	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0079	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0039	0.00098	ug/l	
863090-89-5	PFMBA	ND	0.0039	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0039	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0079	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0079	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0039	0.00098	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0098	0.0049	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.049	0.0098	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [c]	ND	0.049	0.0098	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	29%	30%	20-150%
	13C5-PFPeA	73%	91%	20-150%
	13C5-PFHxA	96%	95%	20-150%
	13C4-PFHpA	107%	96%	20-150%
	13C8-PFOA	98%	98%	20-150%
	13C9-PFNA	106%	106%	20-150%
	13C6-PFDA	99%	93%	20-150%
	13C7-PFUnDA	91%	81%	20-150%
	13C2-PFDoDA	66%	58%	20-150%
	13C2-PFTeDA	46%	42%	20-150%
	13C3-PFBS	99%	93%	20-150%
	13C3-PFHxS	93%	90%	20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW04-032223		
Lab Sample ID:	JD62631-6A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	90%	77%	20-150%
	13C8-FOSA	81%	79%	20-150%
	d3-MeFOSA	51%	51%	20-150%
	d5-EtFOSA	41%	47%	20-150%
	d3-MeFOSAA	94%	96%	20-150%
	d5-EtFOSAA	99%	82%	20-150%
	d7-MeFOSE	51%	53%	20-150%
	d9-EtFOSE	42%	46%	20-150%
	13C2-4:2FTS	191% [d]	89%	20-150%
	13C2-6:2FTS	189% [d]	96%	20-150%
	13C2-8:2FTS	123%	54%	20-150%
	13C3-HFPO-DA	75%	83%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Result is from Run# 2
(c) Associated Low Level CCV outside of control limits high, sample was ND.
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW01-032223		
Lab Sample ID:	JD62631-7A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16076.D	1	04/05/23 06:34	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2 [a]	6Q16117.D	10	04/05/23 16:45	AFL	03/31/23 09:58	F:OP96192	F:S6Q240

	Initial Volume	Final Volume
Run #1	507 ml	5.0 ml
Run #2	507 ml	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.272	0.0079	0.0039	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0841	0.0039	0.00099	ug/l	
307-24-4	Perfluorohexanoic acid	0.130	0.0020	0.00049	ug/l	
375-85-9	Perfluoroheptanoic acid	0.174	0.0020	0.00049	ug/l	
335-67-1	Perfluorooctanoic acid	4.10 [b]	0.020	0.0049	ug/l	
375-95-1	Perfluorononanoic acid	0.0248	0.0020	0.00060	ug/l	
335-76-2	Perfluorodecanoic acid	0.0030	0.0020	0.00049	ug/l	
2058-94-8	Perfluoroundecanoic acid	0.0024	0.0020	0.00059	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00059	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00083	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00049	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0530	0.0020	0.00099	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	0.0661	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.183	0.0020	0.00099	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	0.0411	0.0020	0.00099	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.847 [b]	0.020	0.0099	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.00099	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.00099	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND [b]	0.079	0.039	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND [b]	0.079	0.039	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [c]	ND	0.0079	0.0041	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	0.0018	0.0020	0.00099	ug/l	J
31506-32-8	MeFOSA	ND	0.0020	0.00099	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.00099	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW01-032223		
Lab Sample ID:	JD62631-7A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	0.0070	0.0020	0.00099	ug/l	
2991-50-6	EtFOSAA	0.0590	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.0099	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.0099	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0079	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0079	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0039	0.00099	ug/l	
863090-89-5	PFMBA	ND	0.0039	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0039	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0079	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0079	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0039	0.00099	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0099	0.0049	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.049	0.0099	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [c]	ND	0.049	0.0099	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	52%	45%	20-150%
	13C5-PFPeA	74%	83%	20-150%
	13C5-PFHxA	106%	86%	20-150%
	13C4-PFHpA	107%	81%	20-150%
	13C8-PFOA	91%	84%	20-150%
	13C9-PFNA	78%	62%	20-150%
	13C6-PFDA	53%	39%	20-150%
	13C7-PFUnDA	45%	42%	20-150%
	13C2-PFDoDA	49%	40%	20-150%
	13C2-PFTeDA	50%	49%	20-150%
	13C3-PFBS	84%	110%	20-150%
	13C3-PFHxS	71%	72%	20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW01-032223		
Lab Sample ID:	JD62631-7A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	56%	39%	20-150%
	13C8-FOSA	63%	45%	20-150%
	d3-MeFOSA	44%	41%	20-150%
	d5-EtFOSA	40%	32%	20-150%
	d3-MeFOSAA	87%	51%	20-150%
	d5-EtFOSAA	96%	50%	20-150%
	d7-MeFOSE	53%	41%	20-150%
	d9-EtFOSE	46%	40%	20-150%
	13C2-4:2FTS	187% [d]	93%	20-150%
	13C2-6:2FTS	172% [d]	94%	20-150%
	13C2-8:2FTS	94%	49%	20-150%
	13C3-HFPO-DA	76%	80%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Result is from Run# 2
(c) Associated Low Level CCV outside of control limits high, sample was ND.
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

GW WTR NTM

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FEDEX Tracking #

Bottle Order Control # MM-031423-Tv

SGS Quote #

SGS Job # JD62631

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W. Washington St
City: Syracuse State: NY Zip:
Project Contact: R. Trent E-mail:
Phone #: 585 747 7605
Sampler(s) Name(s): R Britt J Lombardi
Phone #:

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Rd
City: State:
Project #: 1940057910
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

| SGS Sample # | Field ID / Point of Collection | MEOH/DI Vial # | Collection Date | Collection Time | Sampled by | Grab (G) Comp (C) | Source Chlorinated (Y/N) | Matrix | # of bottles | HCl | NaOH | HNO_3 | H_2SO_4 | NONE | DI Water | MEOH | ENCORE | pH Check (Lab Use Only) | | |

SGS Sample Receipt Summary

Job Number: JD62631 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - GROUNDWATE

Date / Time Received: 3/23/2023 10:00:00 AM **Delivery Method:** FedEx **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0); Cooler 2: (2.8); Cooler 3: (4.0); Cooler 4: (4.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.8); Cooler 2: (2.6); Cooler 3: (3.8); Cooler 4: (3.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	4		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Broken / Leaking		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments: Sample -6: Received 1 of 2, 950mL unpreserved amber glass volumes for 8270 analysis broken. Limited volume.

Responded to by: Marie Meidhof

Response Date: 3/27

Ok proceed; note limited 8270 volume for -6.

JD62631: Chain of Custody
Page 3 of 3

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD62640

Sampling Date: 03/21/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **41**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD62640

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD62640-1	03/21/23	17:10	RB	03/23/23	AQ	Trip Blank Water	TB-032123
	JD62640-2	03/21/23	16:30	RB	03/23/23	AQ	Equipment Blank	EB-032123
*	JD62640-3	03/21/23	00:00		03/23/23	AQ	Ground Water	DUP-032123
	JD62640-3A	03/21/23	00:00		03/23/23	AQ	Ground Water	DUP-032123
*	JD62640-4	03/21/23	11:20	RB	03/23/23	AQ	Ground Water	LR-MW05-032123
	JD62640-4A	03/21/23	11:20	RB	03/23/23	AQ	Ground Water	LR-MW05-032123
*	JD62640-5	03/21/23	11:25	JL	03/23/23	AQ	Ground Water	LR-MW08-032123
	JD62640-5A	03/21/23	11:25	JL	03/23/23	AQ	Ground Water	LR-MW08-032123
*	JD62640-6	03/21/23	12:10	JL	03/23/23	AQ	Ground Water	LR-MW03-032123
	JD62640-6A	03/21/23	12:10	JL	03/23/23	AQ	Ground Water	LR-MW03-032123

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

* The following report applies to these samples only (7 day TAT).

Report of Analysis

Client Sample ID:	TB-032123		
Lab Sample ID:	JD62640-1	**Date Sampled:**	03/21/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209561.D	1	03/30/23 01:50	ED	n/a	n/a	V2D9126
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-032123		
Lab Sample ID:	JD62640-1	**Date Sampled:**	03/21/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	107%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	44	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209569.D	1	03/30/23 05:49	ED	n/a	n/a	V2D9126
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	480	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F213394.D	1	03/29/23 16:31	KH	03/28/23 19:55	OP45493	EF9418
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	0.85	ug/l	
59-50-7	4-Chloro-3-methyl phenol [a]	ND	5.2	0.93	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	2.5	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.2	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.2	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.92	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.2	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.4	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	5.2	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	0.96	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.2	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene [a]	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene [a]	ND	1.0	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.42	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.0	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.0	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.1	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.68	ug/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.52	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.18	ug/l	
86-73-7	Fluorene	ND	1.0	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.22	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.2	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.40	ug/l	
100-01-6	4-Nitroaniline [a]	ND	5.2	0.46	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.67	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	17%		10-71%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	12%		10-58%
118-79-6	2,4,6-Tribromophenol	27%		22-144%
4165-60-0	Nitrobenzene-d5	33%		28-118%
321-60-8	2-Fluorobiphenyl	31% [b]		34-116%
1718-51-0	Terphenyl-d14	34%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	5.19	6.2	ug/l	J
	Internal standard added for SIM test	6.10	4.6	ug/l	J
	Internal standard added for SIM test	7.48	4.3	ug/l	J
	Internal standard added for SIM test	10.91	4.9	ug/l	J
	Unknown	18.46	16	ug/l	J
	Unknown	18.51	6.5	ug/l	J
	Total TIC, Semi-Volatile		28.7	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Surrogate recovery marginally exceeded the lower statistical limit.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115172.D	1	03/31/23 11:10	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	1.48	0.10	0.052	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	35%		23-127%
321-60-8	2-Fluorobiphenyl	32%		23-114%
1718-51-0	Terphenyl-d14	30%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4363.D	1	03/31/23 00:13	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	240 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.42	0.20	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.083	0.052	ug/l	
93-76-5	2,4,5-T	0.53	0.083	0.045	ug/l	
75-99-0	Dalapon	ND	0.083	0.063	ug/l	
1918-00-9	Dicamba	ND	0.083	0.026	ug/l	
120-36-5	Dichloroprop	ND	0.42	0.16	ug/l	
88-85-7	Dinoseb	ND	0.42	0.16	ug/l	
94-74-6	MCPA [a]	ND	42	28	ug/l	
93-65-2	MCPP [a]	ND	42	27	ug/l	
87-86-5	Pentachlorophenol [a]	ND	0.083	0.043	ug/l	
94-82-6	2,4-DB	ND	0.42	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	52%		10-150%
19719-28-9	2,4-DCAA	47%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183846.D	1	03/28/23 23:45	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		10-175%
877-09-8	Tetrachloro-m-xylene	76%		10-175%
2051-24-3	Decachlorobiphenyl	54%		10-128%
2051-24-3	Decachlorobiphenyl	79%		10-128%

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499303.D	1	03/29/23 02:20	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		10-169%
877-09-8	Tetrachloro-m-xylene	66%		10-169%
2051-24-3	Decachlorobiphenyl	51%		10-130%
2051-24-3	Decachlorobiphenyl	44%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony [a]	< 30	30	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Arsenic	18.4	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	445000	25000	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	13500	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Lead [a]	< 15	15	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Magnesium	42000	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	168	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/29/23	03/30/23	LM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	10500	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium [a]	< 50	50	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	47800	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA53931
(2) Instrument QC Batch: MA53939
(3) Instrument QC Batch: MA53941
(4) Prep QC Batch: MP38701
(5) Prep QC Batch: MP38749

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:41	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209570.D	1	03/30/23 06:19	ED	n/a	n/a	V2D9126
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	490	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F213395.D	1	03/29/23 16:56	KH	03/28/23 19:55	OP45493	EF9418
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol [a]	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.91	ug/l	
	3&4-Methylphenol	ND	2.0	0.90	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.94	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.0	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene [a]	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene [a]	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW05-032123
Lab Sample ID: JD62640-4
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/21/23
Date Received: 03/23/23
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.0	0.52	ug/l	
123-91-1	1,4-Dioxane	2.6	1.0	0.67	ug/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline [a]	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-71%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	27%		10-58%
118-79-6	2,4,6-Tribromophenol	78%		22-144%
4165-60-0	Nitrobenzene-d5	71%		28-118%
321-60-8	2-Fluorobiphenyl	69%		34-116%
1718-51-0	Terphenyl-d14	78%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	6.10	4.1	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115173.D	1	03/31/23 13:18	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	2.87	0.10	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	63%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4364.D	1	03/31/23 00:35	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	0.61	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND	41	28	ug/l	
93-65-2	MCPP [a]	ND	41	26	ug/l	
87-86-5	Pentachlorophenol [a]	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	40%		10-150%
19719-28-9	2,4-DCAA	38%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183847.D	1	03/29/23 00:03	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		10-175%
877-09-8	Tetrachloro-m-xylene	85%		10-175%
2051-24-3	Decachlorobiphenyl	62%		10-128%
2051-24-3	Decachlorobiphenyl	92%		10-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499304.D	1	03/29/23 02:38	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-169%
877-09-8	Tetrachloro-m-xylene	67%		10-169%
2051-24-3	Decachlorobiphenyl	51%		10-130%
2051-24-3	Decachlorobiphenyl	46%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony [a]	< 30	30	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Arsenic	19.1	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	443000	25000	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	13500	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Lead [a]	< 15	15	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Magnesium	42100	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	170	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/29/23	03/30/23	LM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	10700	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium [a]	< 50	50	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	48800	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA53931
(2) Instrument QC Batch: MA53939
(3) Instrument QC Batch: MA53941
(4) Prep QC Batch: MP38701
(5) Prep QC Batch: MP38749

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:42	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209571.D	1	03/30/23 06:49	ED	n/a	n/a	V2D9126
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	3.1	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	330	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F213396.D	1	03/29/23 17:21	KH	03/28/23 19:55	OP45493	EF9418
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	0.79	ug/l	
59-50-7	4-Chloro-3-methyl phenol [a]	ND	4.8	0.86	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.9	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	2.3	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	4.8	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	4.8	1.2	ug/l	
95-48-7	2-Methylphenol	ND	1.9	0.85	ug/l	
	3&4-Methylphenol	ND	1.9	0.85	ug/l	
88-75-5	2-Nitrophenol [a]	ND	4.8	0.92	ug/l	
100-02-7	4-Nitrophenol	ND	9.6	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	3.8	1.3	ug/l	
108-95-2	Phenol	ND	1.9	0.38	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	4.8	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.89	ug/l	
83-32-9	Acenaphthene	ND	0.96	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.96	0.13	ug/l	
98-86-2	Acetophenone	ND	1.9	0.20	ug/l	
120-12-7	Anthracene	ND	0.96	0.20	ug/l	
1912-24-9	Atrazine [a]	ND	1.9	0.43	ug/l	
100-52-7	Benzaldehyde	ND	4.8	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.96	0.20	ug/l	
50-32-8	Benzo(a)pyrene [a]	ND	0.96	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.96	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene [a]	ND	0.96	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.96	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.9	0.39	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.9	0.44	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.96	0.20	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.9	0.23	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.33	ug/l	
86-74-8	Carbazole	ND	0.96	0.22	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	1.9	0.62	ug/l	
218-01-9	Chrysene	ND	0.96	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.9	0.27	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.9	0.24	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	1.9	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.9	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	0.96	0.53	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	0.96	0.46	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	1.9	0.49	ug/l	
123-91-1	1,4-Dioxane	ND	0.96	0.63	ug/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND	0.96	0.32	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.21	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.9	0.48	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.9	0.22	ug/l	
84-66-2	Diethyl phthalate	ND	1.9	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	1.9	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.9	1.6	ug/l	
206-44-0	Fluoranthene	ND	0.96	0.16	ug/l	
86-73-7	Fluorene	ND	0.96	0.16	ug/l	
118-74-1	Hexachlorobenzene	ND	0.96	0.31	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	0.96	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	9.6	2.7	ug/l	
67-72-1	Hexachloroethane	ND	1.9	0.37	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.96	0.32	ug/l	
78-59-1	Isophorone	ND	1.9	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.96	0.20	ug/l	
88-74-4	2-Nitroaniline [a]	ND	4.8	0.27	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.37	ug/l	
100-01-6	4-Nitroaniline [a]	ND	4.8	0.42	ug/l	
91-20-3	Naphthalene	ND	0.96	0.22	ug/l	
98-95-3	Nitrobenzene	ND	1.9	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.9	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.21	ug/l	
85-01-8	Phenanthrene	ND	0.96	0.17	ug/l	
129-00-0	Pyrene	ND	0.96	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.9	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		10-71%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%		10-58%
118-79-6	2,4,6-Tribromophenol	68%		22-144%
4165-60-0	Nitrobenzene-d5	70%		28-118%
321-60-8	2-Fluorobiphenyl	67%		34-116%
1718-51-0	Terphenyl-d14	79%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	6.10	3.9	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115174.D	1	03/31/23 13:39	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.096	0.048	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	67%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4368.D	1	03/31/23 02:01	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.40	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.043	ug/l	
75-99-0	Dalapon	ND	0.080	0.060	ug/l	
1918-00-9	Dicamba	ND	0.080	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.40	0.16	ug/l	
88-85-7	Dinoseb	ND	0.40	0.16	ug/l	
94-74-6	MCPA [a]	ND	40	27	ug/l	
93-65-2	MCPP [a]	ND	40	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.080	0.041	ug/l	
94-82-6	2,4-DB	ND	0.40	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	37%		10-150%
19719-28-9	2,4-DCAA	39%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183848.D	1	03/29/23 00:20	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0074	0.0038	ug/l	
319-84-6	alpha-BHC	ND	0.0074	0.0039	ug/l	
319-85-7	beta-BHC	ND	0.0074	0.0059	ug/l	
319-86-8	delta-BHC	ND	0.0074	0.0049	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0074	0.0044	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0074	0.0037	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0074	0.0032	ug/l	
60-57-1	Dieldrin	ND	0.0074	0.0057	ug/l	
72-54-8	4,4'-DDD	ND	0.0074	0.0043	ug/l	
72-55-9	4,4'-DDE	ND	0.0074	0.0037	ug/l	
50-29-3	4,4'-DDT	ND	0.0074	0.0051	ug/l	
72-20-8	Endrin	ND	0.0074	0.0045	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0074	0.0040	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0074	0.0050	ug/l	
53494-70-5	Endrin ketone	ND	0.0074	0.0046	ug/l	
959-98-8	Endosulfan-I	ND	0.0074	0.0039	ug/l	
33213-65-9	Endosulfan-II	ND	0.0074	0.0036	ug/l	
76-44-8	Heptachlor	ND	0.0074	0.0033	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0074	0.0044	ug/l	
72-43-5	Methoxychlor	ND	0.015	0.0050	ug/l	
8001-35-2	Toxaphene	ND	0.19	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		10-175%
877-09-8	Tetrachloro-m-xylene	65%		10-175%
2051-24-3	Decachlorobiphenyl	69%		10-128%
2051-24-3	Decachlorobiphenyl	95%		10-128%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499305.D	1	03/29/23 02:55	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.37	0.15	ug/l	
11104-28-2	Aroclor 1221	ND	0.37	0.31	ug/l	
11141-16-5	Aroclor 1232	ND	0.37	0.19	ug/l	
53469-21-9	Aroclor 1242	ND	0.37	0.17	ug/l	
12672-29-6	Aroclor 1248	ND	0.37	0.093	ug/l	
11097-69-1	Aroclor 1254	ND	0.37	0.31	ug/l	
11096-82-5	Aroclor 1260	ND	0.37	0.11	ug/l	
11100-14-4	Aroclor 1268	ND	0.37	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.37	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		10-169%
877-09-8	Tetrachloro-m-xylene	61%		10-169%
2051-24-3	Decachlorobiphenyl	63%		10-130%
2051-24-3	Decachlorobiphenyl	56%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	3.4	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	70100	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	263	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	40600	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	791	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/29/23	03/30/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	78200	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53931
(2) Instrument QC Batch: MA53939
(3) Prep QC Batch: MP38701
(4) Prep QC Batch: MP38749

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.012	0.010	mg/l	1	03/29/23 12:43	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW03-032123		
Lab Sample ID:	JD62640-6	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115175.D	1	03/31/23 14:01	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	1.88	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		23-127%
321-60-8	2-Fluorobiphenyl	63%		23-114%
1718-51-0	Terphenyl-d14	45%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

GW WFB WTB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

MN 073423-70

Page 1 of 1

FED-EX Tracking # 5849 7371 9116

Bottle Order Control #

SGS Quote #

SGS Job # JD62640

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W Washington St
City: Syracuse State: NY Zip:
Project Contact: Robert.Trent@Ramboll.com E-mail:
Phone #:
Sampler(s) Name(s): KEITH J Lombardi Phone #:

Project Information

Project Name: 8 Lyndon Road Landfill
Street: 80 Lyndon Rd
City: Fairport State: NY
Project #: 1940102910
Client Purchase Order #:
Project Manager: R. Trent
Attention:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	TB-032123		3/21/23	0900	RB	G	N	TB	2	2								2	
2	CB-032123		3/21/23	1630	RB	G	N	FB	3					3				3	
3	DUP-032123	•	3/21/23			G	N	GW	16	3	1	1		11				11 3 2	
4	LR-MW05-032123	•	3/21/23	1120	RB	G	N	GW	16	3	1	1		11				11 3 2	VOA 7
5	LR-MW08-032123	•	3/21/23	1125	JL	G	N	GW	16	3	1	1		11				11 3 2	SVOA
6	LR-MW03-032123		3/21/23	1410	JL	G	N	GW	5					5				3 2	1,4 D, 1,3 D, 1,2 D, Ac
																			644 T3

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

Initial Assessment JB
Label Verification

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC EQUIS Values

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Missing volume. Note received PFAS 537.1 DC
• vials not labeled. in bag
• 4x250mL Pest/PCB, Herb

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 ~~Keith~~	1830 3/23/23	1 Fed Ex	2 Fed Ex	3/23/23 10:00	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: 40 On Ice Cooler Temp. °C 4.4 / IR-40 4.5 °C

See Sample Receipt Summary

EHSA-QAC-0023-05 Rev. Date: 8/5/22

SGS Sample Receipt Summary

Job Number: JD62640 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - GROUNDWA

Date / Time Received: 3/23/2023 10:00:00 AM **Delivery Method:** FedEx **Airbill #'s:** 5894 7371 9116

Cooler Temps (Raw Measured) °C: Cooler 1: (4.5); Cooler 2: (4.4);

Cooler Temps (Corrected) °C: Cooler 1: (4.3); Cooler 2: (4.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments Sample -3 thru -5: 40mL HCL vials for VOA analysis not individually labeled with ID, collection date/time. ID, collection date/time written on label included in bag that set of vials were submitted in.

SM089-03
Rev. Date 12/7/17

Responded to by: CSR: N/A

Response Date: Response Date: 3/25/2023

Response:

Response: Proceed with analysis

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD62640

Sampling Date: 03/21/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **20**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD62640

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD62640-1	03/21/23	17:10	RB	03/23/23	AQ	Trip Blank Water	TB-032123
*	JD62640-2	03/21/23	16:30	RB	03/23/23	AQ	Equipment Blank	EB-032123
	JD62640-3	03/21/23	00:00		03/23/23	AQ	Ground Water	DUP-032123
*	JD62640-3A	03/21/23	00:00		03/23/23	AQ	Ground Water	DUP-032123
	JD62640-4	03/21/23	11:20	RB	03/23/23	AQ	Ground Water	LR-MW05-032123
*	JD62640-4A	03/21/23	11:20	RB	03/23/23	AQ	Ground Water	LR-MW05-032123
	JD62640-5	03/21/23	11:25	JL	03/23/23	AQ	Ground Water	LR-MW08-032123
*	JD62640-5A	03/21/23	11:25	JL	03/23/23	AQ	Ground Water	LR-MW08-032123
	JD62640-6	03/21/23	12:10	JL	03/23/23	AQ	Ground Water	LR-MW03-032123
*	JD62640-6A	03/21/23	12:10	JL	03/23/23	AQ	Ground Water	LR-MW03-032123

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

* The following report applies to these samples only (14 day TAT).

Report of Analysis

Client Sample ID:	EB-032123		
Lab Sample ID:	JD62640-2	**Date Sampled:**	03/21/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16191.D	1	04/06/23 14:18	AFL	03/31/23 09:58	F:OP96192	F:S6Q241
Run #2							

	Initial Volume	Final Volume
Run #1	545 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0073	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0037	0.00092	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00046	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00055	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00055	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00077	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00092	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00092	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00092	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00092	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00092	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00092	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0073	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0073	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0073	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00092	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00092	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00092	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-032123		
Lab Sample ID:	JD62640-2	**Date Sampled:**	03/21/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00092	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0092	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0092	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0073	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0073	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00092	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0073	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0073	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00092	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0092	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0092	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.046	0.0092	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	98%		20-150%
	13C5-PFPeA	101%		20-150%
	13C5-PFHxA	101%		20-150%
	13C4-PFHpA	98%		20-150%
	13C8-PFOA	89%		20-150%
	13C9-PFNA	85%		20-150%
	13C6-PFDA	85%		20-150%
	13C7-PFUnDA	74%		20-150%
	13C2-PFDoDA	57%		20-150%
	13C2-PFTeDA	49%		20-150%
	13C3-PFBS	91%		20-150%
	13C3-PFHxS	85%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-032123		
Lab Sample ID:	JD62640-2	**Date Sampled:**	03/21/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	86%		20-150%
	13C8-FOSA	72%		20-150%
	d3-MeFOSA	49%		20-150%
	d5-EtFOSA	45%		20-150%
	d3-MeFOSAA	92%		20-150%
	d5-EtFOSAA	83%		20-150%
	d7-MeFOSE	53%		20-150%
	d9-EtFOSE	48%		20-150%
	13C2-4:2FTS	107%		20-150%
	13C2-6:2FTS	109%		20-150%
	13C2-8:2FTS	96%		20-150%
	13C3-HFPO-DA	102%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16078.D	1	04/05/23 07:02	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	480 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.152	0.0083	0.0042	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0062	0.0042	0.0010	ug/l	
307-24-4	Perfluorohexanoic acid	0.0114	0.0021	0.00052	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0022	0.0021	0.00052	ug/l	
335-67-1	Perfluorooctanoic acid	0.0254	0.0021	0.00052	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0021	0.00064	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0021	0.00052	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0021	0.00063	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0021	0.00063	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0021	0.00088	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0021	0.00052	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0021	0.0010	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0021	0.0012	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0021	0.0010	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0021	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0038	0.0021	0.0010	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0021	0.0010	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0021	0.0010	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0021	0.0012	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0083	0.0042	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0083	0.0042	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0083	0.0043	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0021	0.0010	ug/l	
31506-32-8	MeFOSA	ND	0.0021	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0021	0.0010	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0021	0.0010	ug/l	
2991-50-6	EtFOSAA	ND	0.0021	0.0014	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.021	0.010	ug/l	
1691-99-2	EtFOSE	ND	0.021	0.010	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0083	0.0021	ug/l	
919005-14-4	ADONA	ND	0.0083	0.0021	ug/l	
377-73-1	PFMPA	ND	0.0042	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0042	0.0012	ug/l	
151772-58-6	NFDHA	ND	0.0042	0.0013	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0083	0.0021	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0083	0.0021	ug/l	
113507-82-7	PFEESA	ND	0.0042	0.0010	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.010	0.0052	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.052	0.010	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.052	0.010	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	98%		20-150%
	13C5-PFHxA	103%		20-150%
	13C4-PFHpA	99%		20-150%
	13C8-PFOA	91%		20-150%
	13C9-PFNA	102%		20-150%
	13C6-PFDA	83%		20-150%
	13C7-PFUnDA	69%		20-150%
	13C2-PFDoDA	54%		20-150%
	13C2-PFTeDA	47%		20-150%
	13C3-PFBS	94%		20-150%
	13C3-PFHxS	92%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	91%		20-150%
	13C8-FOSA	83%		20-150%
	d3-MeFOSA	52%		20-150%
	d5-EtFOSA	42%		20-150%
	d3-MeFOSAA	91%		20-150%
	d5-EtFOSAA	90%		20-150%
	d7-MeFOSE	55%		20-150%
	d9-EtFOSE	50%		20-150%
	13C2-4:2FTS	91%		20-150%
	13C2-6:2FTS	109%		20-150%
	13C2-8:2FTS	77%		20-150%
	13C3-HFPO-DA	94%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16079.D	1	04/05/23 07:16	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	525 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.156	0.0076	0.0038	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0055	0.0038	0.00095	ug/l	
307-24-4	Perfluorohexanoic acid	0.0113	0.0019	0.00048	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0026	0.0019	0.00048	ug/l	
335-67-1	Perfluorooctanoic acid	0.0240	0.0019	0.00048	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00058	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00048	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00057	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00057	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00080	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00048	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0019	0.00095	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0011	0.0019	0.00095	ug/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00095	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0038	0.0019	0.00095	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00095	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00095	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0076	0.0038	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0076	0.0038	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0076	0.0039	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00095	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00095	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00095	ug/l	

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00095	ug/l	
2991-50-6	EtFOSAA	0.0013	0.0019	0.0013	ug/l	J
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0095	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0095	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0076	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0076	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0038	0.00095	ug/l	
863090-89-5	PFMBA	ND	0.0038	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0038	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0076	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0076	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0038	0.00095	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0095	0.0048	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.048	0.0095	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.048	0.0095	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	69%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	107%		20-150%
	13C4-PFHpA	110%		20-150%
	13C8-PFOA	103%		20-150%
	13C9-PFNA	103%		20-150%
	13C6-PFDA	81%		20-150%
	13C7-PFUnDA	67%		20-150%
	13C2-PFDoDA	55%		20-150%
	13C2-PFTeDA	49%		20-150%
	13C3-PFBS	98%		20-150%
	13C3-PFHxS	99%		20-150%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	89%		20-150%
	13C8-FOSA	79%		20-150%
	d3-MeFOSA	51%		20-150%
	d5-EtFOSA	48%		20-150%
	d3-MeFOSAA	68%		20-150%
	d5-EtFOSAA	69%		20-150%
	d7-MeFOSE	56%		20-150%
	d9-EtFOSE	54%		20-150%
	13C2-4:2FTS	96%		20-150%
	13C2-6:2FTS	101%		20-150%
	13C2-8:2FTS	85%		20-150%
	13C3-HFPO-DA	95%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16080.D	1	04/05/23 07:30	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	515 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0240	0.0078	0.0039	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0103	0.0039	0.00097	ug/l	
307-24-4	Perfluorohexanoic acid	0.0076	0.0019	0.00049	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0050	0.0019	0.00049	ug/l	
335-67-1	Perfluorooctanoic acid	0.0094	0.0019	0.00049	ug/l	
375-95-1	Perfluorononanoic acid	0.0010	0.0019	0.00059	ug/l	J
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00049	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00058	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00058	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00082	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00049	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0019	0.00097	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00097	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00097	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0016	0.0019	0.00097	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00097	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00097	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0078	0.0040	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00097	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00097	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00097	ug/l	

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Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00097	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0097	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0097	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0078	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0078	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0039	0.00097	ug/l	
863090-89-5	PFMBA	ND	0.0039	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0039	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0078	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0078	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0039	0.00097	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0097	0.0049	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.049	0.0097	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.049	0.0097	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	59%		20-150%
	13C5-PFPeA	113%		20-150%
	13C5-PFHxA	113%		20-150%
	13C4-PFHpA	112%		20-150%
	13C8-PFOA	109%		20-150%
	13C9-PFNA	88%		20-150%
	13C6-PFDA	90%		20-150%
	13C7-PFUnDA	81%		20-150%
	13C2-PFDoDA	66%		20-150%
	13C2-PFTeDA	63%		20-150%
	13C3-PFBS	101%		20-150%
	13C3-PFHxS	101%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	87%		20-150%
	13C8-FOSA	87%		20-150%
	d3-MeFOSA	65%		20-150%
	d5-EtFOSA	60%		20-150%
	d3-MeFOSAA	81%		20-150%
	d5-EtFOSAA	84%		20-150%
	d7-MeFOSE	62%		20-150%
	d9-EtFOSE	65%		20-150%
	13C2-4:2FTS	108%		20-150%
	13C2-6:2FTS	107%		20-150%
	13C2-8:2FTS	83%		20-150%
	13C3-HFPO-DA	108%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW03-032123
Lab Sample ID: JD62640-6A
Matrix: AQ - Ground Water
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/21/23
Date Received: 03/23/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16081.D	1	04/05/23 07:44	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2 [a]	6Q16118.D	5	04/05/23 16:59	AFL	03/31/23 09:58	F:OP96192	F:S6Q240
Run #3 [a]	6Q16119.D	10	04/05/23 17:13	AFL	03/31/23 09:58	F:OP96192	F:S6Q240

	Initial Volume	Final Volume
Run #1	520 ml	5.0 ml
Run #2	520 ml	5.0 ml
Run #3	520 ml	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.679	0.0077	0.0038	ug/l	
2706-90-3	Perfluoropentanoic acid	0.104	0.0038	0.00096	ug/l	
307-24-4	Perfluorohexanoic acid	0.114	0.0019	0.00048	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0782	0.0019	0.00048	ug/l	
335-67-1	Perfluorooctanoic acid	1.23 [b]	0.0096	0.0024	ug/l	
375-95-1	Perfluorononanoic acid	0.0097	0.0019	0.00059	ug/l	
335-76-2	Perfluorodecanoic acid	0.00083	0.0019	0.00048	ug/l	J
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00058	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00058	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00081	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00048	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0245	0.0019	0.00096	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	0.0199	0.0019	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0467	0.0019	0.00096	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	0.0119	0.0019	0.00096	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.184	0.0019	0.00096	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00096	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00096	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND [c]	0.077	0.038	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND [c]	0.077	0.038	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND [b]	0.038	0.020	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	0.0016	0.0019	0.00096	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW03-032123		
Lab Sample ID:	JD62640-6A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
31506-32-8	MeFOSA	ND	0.0019	0.00096	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00096	ug/l	
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	0.0139 [b]	0.0096	0.0048	ug/l	
2991-50-6	EtFOSAA	0.0518 [b]	0.0096	0.0064	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0096	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0096	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0077	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0077	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0038	0.00096	ug/l	
863090-89-5	PFMBA	ND	0.0038	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0038	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0077	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0077	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0038	0.00096	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0096	0.0048	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.048	0.0096	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND [b]	0.24	0.048	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Run# 3	Limits
	13C4-PFBA	28%	25%	24%	20-150%
	13C5-PFPeA	58%	70%	84%	20-150%
	13C5-PFHxA	102%	92%	91%	20-150%
	13C4-PFHpA	124%	99%	105%	20-150%
	13C8-PFOA	97%	106%	93%	20-150%
	13C9-PFNA	97%	80%	69%	20-150%
	13C6-PFDA	108%	114%	109%	20-150%
	13C7-PFUnDA	104%	106%	76%	20-150%
	13C2-PFDoDA	83%	73%	79%	20-150%
	13C2-PFTeDA	52%	52%	49%	20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW03-032123
Lab Sample ID: JD62640-6A
Matrix: AQ - Ground Water
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/21/23
Date Received: 03/23/23
Percent Solids: n/a

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Run# 3	Limits
	13C3-PFBS	96%	93%	91%	20-150%
	13C3-PFHxS	101%	92%	69%	20-150%
	13C8-PFOS	98%	99%	97%	20-150%
	13C8-FOSA	110%	89%	71%	20-150%
	d3-MeFOSA	63%	55%	58%	20-150%
	d5-EtFOSA	49%	52%	49%	20-150%
	d3-MeFOSAA	161% [d]	126%	79%	20-150%
	d5-EtFOSAA	174% [d]	118%	105%	20-150%
	d7-MeFOSE	59%	58%	50%	20-150%
	d9-EtFOSE	52%	50%	42%	20-150%
	13C2-4:2FTS	170% [d]	163% [d]	82%	20-150%
	13C2-6:2FTS	240% [d]	167% [d]	71%	20-150%
	13C2-8:2FTS	205% [d]	84%	90%	20-150%
	13C3-HFPO-DA	71%	74%	91%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

GW WFB WTB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

MN 073423-70

Page 1 of 1

FED-EX Tracking # 5849 7371 9116

Bottle Order Control #

SGS Quote #

SGS Job # JD62640

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W Washington St
City: Syracuse State: NY Zip:
Project Contact: Robert.Trent@Ramboll.com E-mail:
Phone #:
Sampler(s) Name(s): KEITH J Lombardi Phone #:

Project Information

Project Name: 8 Lyndon Road Landfill
Street: 80 Lyndon Rd
City: Fairport State: NY
Project #: 1940102910
Client Purchase Order #:
Project Manager: R. Trent
Attention:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	TB-032123		3/21/23	0900	RB	G	N	TB	2	2								2	
2	CB-032123		3/21/23	1630	RB	G	N	FB	3					3				3	
3	DUP-032123	•	3/21/23			G	N	GW	16	3	1	1		11				11 2 3	VI07
4	LR-MW05-032123	•	3/21/23	1120	RB	G	N	GW	16	3	1	1		11				11 3 2	SD9
5	LR-MW08-032123	•	3/21/23	1125	JL	G	N	GW	16	3	1	1		11				11 3 2	C23
6	LR-MW03-032123		3/21/23	1240	JL	G	N	GW	5					5				3 2	A16
																			664 T3

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

Initial Assessment JB

Label Verification

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format NYSDEC EQUIS Values

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Missing volume. Note received PFAS 537.1 DC
x vials not labeled. in bag
• 4x250mL Pest/PCB, Herb

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:
1 [illegible]	1830 3/21/23	1 Fed Ex
2 Fed Ex		2
3		3
4		4
5		5

Date / Time: 3/23/23 10:00

Custody Seal # [ ] Intact [ ] Not intact [ ] Absent

Therm ID: 40 On Ice [x] See Sample Receipt Summary

Cooler Temp. °C: 0.4 4.5 IR-40

EHSA-QAC-0023-05 Rev. Date: 8/5/22

SGS Sample Receipt Summary

Job Number: JD62640 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - GROUNDWA

Date / Time Received: 3/23/2023 10:00:00 AM **Delivery Method:** FedEx **Airbill #'s:** 5894 7371 9116

Cooler Temps (Raw Measured) °C: Cooler 1: (4.5); Cooler 2: (4.4);

Cooler Temps (Corrected) °C: Cooler 1: (4.3); Cooler 2: (4.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments: Sample -3 thru -5: 40mL HCL vials for VOA analysis not individually labeled with ID, collection date/time. ID, collection date/time written on label included in bag that set of vials were submitted in.

SM089-03
Rev. Date 12/7/17

Responded to by: CSR: N/A

Response Date: Response Date: 3/25/2023

Response:

Response: Proceed with analysis

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD62642

Sampling Date: 03/23/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: 57

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD62642

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD62642-1	03/23/23	17:20	RB	03/24/23	AQ	Trip Blank Water	LR-TB-032323
	JD62642-2	03/23/23	17:20	RB	03/24/23	AQ	Equipment Blank	LR-EB-032323
*	JD62642-3	03/23/23	10:00	RB	03/24/23	AQ	Surface Water	LR-SW1-032323
	JD62642-3A	03/23/23	10:00	RB	03/24/23	AQ	Surface Water	LR-SW1-032323
*	JD62642-4	03/23/23	11:15	RB	03/24/23	SO	Sediment	LR-SED1-032323
	JD62642-4A	03/23/23	11:15	RB	03/24/23	SO	Sediment	LR-SED1-032323
*	JD62642-5	03/23/23	13:00	RB	03/24/23	AQ	Surface Water	LR-SW2-032323
	JD62642-5A	03/23/23	13:00	RB	03/24/23	AQ	Surface Water	LR-SW2-032323
*	JD62642-6	03/23/23	13:15	RB	03/24/23	SO	Sediment	LR-SED2-032323
	JD62642-6A	03/23/23	13:15	RB	03/24/23	SO	Sediment	LR-SED2-032323
*	JD62642-7	03/23/23	14:30	RB	03/24/23	AQ	Surface Water	LR-SW3-032323
	JD62642-7A	03/23/23	14:30	RB	03/24/23	AQ	Surface Water	LR-SW3-032323

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD62642

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD62642-7D	03/23/23	14:30	RB	03/24/23	AQ	Water Dup/MSD	LR-SW3-032323
	JD62642-7DA	03/23/23	14:30	RB	03/24/23	AQ	Water Dup/MSD	LR-SW3-032323
*	JD62642-7S	03/23/23	14:30	RB	03/24/23	AQ	Water Matrix Spike	LR-SW3-032323
	JD62642-7SA	03/23/23	14:30	RB	03/24/23	AQ	Water Matrix Spike	LR-SW3-032323
*	JD62642-8	03/23/23	16:50	RB	03/24/23	AQ	Surface Water	LR-SW4-032323
	JD62642-8A	03/23/23	16:50	RB	03/24/23	AQ	Surface Water	LR-SW4-032323
*	JD62642-9	03/23/23	17:10	RB	03/24/23	SO	Sediment	LR-SED4-032323
	JD62642-9A	03/23/23	17:10	RB	03/24/23	SO	Sediment	LR-SED4-032323
*	JD62642-10	03/23/23	15:45	RB	03/24/23	SO	Sediment	LR-SED3-032323
	JD62642-10A	03/23/23	15:45	RB	03/24/23	SO	Sediment	LR-SED3-032323
*	JD62642-10D	03/23/23	15:45	RB	03/24/23	SO	Soil Dup/MSD	LR-SED3-032323
	JD62642-10DA	03/23/23	15:45	RB	03/24/23	SO	Soil Dup/MSD	LR-SED3-032323
*	JD62642-10S	03/23/23	15:45	RB	03/24/23	SO	Soil Matrix Spike	LR-SED3-032323

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD62642

Lyndon Road Landfill
Project No: 1940102910

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD62642-10SA	03/23/23	15:45	RB	03/24/23	SO	Soil Matrix Spike	LR-SED3-032323

* The following report applies to these samples only (7 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-TB-032323		
Lab Sample ID:	JD62642-1	**Date Sampled:**	03/23/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209712.D	1	04/02/23 19:43	TS	n/a	n/a	V2D9133
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TB-032323		
Lab Sample ID:	JD62642-1	**Date Sampled:**	03/23/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	47	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209714.D	1	04/02/23 20:42	TS	n/a	n/a	V2D9133
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	107%		80-120%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	360	ug/l	J
	Total TIC, Volatile		0	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F213401.D	1	03/29/23 19:27	KH	03/28/23 19:55	OP45493	EF9418
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol [a]	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.88	ug/l	
	3&4-Methylphenol	ND	2.0	0.87	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.95	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine [a]	ND	2.0	0.44	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene [a]	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene [a]	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.45	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.23	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW1-032323
Lab Sample ID: JD62642-3
Matrix: AQ - Surface Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.36	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.0	0.47	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.0	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.65	ug/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.49	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.32	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline [a]	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.17	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		10-71%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	19%		10-58%
118-79-6	2,4,6-Tribromophenol	89%		22-144%
4165-60-0	Nitrobenzene-d5	76%		28-118%
321-60-8	2-Fluorobiphenyl	70%		34-116%
1718-51-0	Terphenyl-d14	45%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115176.D	1	03/31/23 14:22	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		23-127%
321-60-8	2-Fluorobiphenyl	69%		23-114%
1718-51-0	Terphenyl-d14	38%		10-121%

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4371.D	1	03/31/23 03:06	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND	41	28	ug/l	
93-65-2	MCPP [a]	ND	41	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	38%		10-150%
19719-28-9	2,4-DCAA	49%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183851.D	1	03/29/23 01:11	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-175%
877-09-8	Tetrachloro-m-xylene	82%		10-175%
2051-24-3	Decachlorobiphenyl	64%		10-128%
2051-24-3	Decachlorobiphenyl	92%		10-128%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499308.D	1	03/29/23 03:47	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		10-169%
877-09-8	Tetrachloro-m-xylene	73%		10-169%
2051-24-3	Decachlorobiphenyl	58%		10-130%
2051-24-3	Decachlorobiphenyl	51%		10-130%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW1-032323
Lab Sample ID: JD62642-3
Matrix: AQ - Surface Water
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	78500	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Iron	387	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Magnesium	26300	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	59.9	15	ug/l	1	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Sodium	63500	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53938
(3) Instrument QC Batch: MA53941
(4) Prep QC Batch: MP38704
(5) Prep QC Batch: MP38772

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:44	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I249268.D	1	04/03/23 17:23	CL	n/a	n/a	VI10122
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0354	0.027	0.011	mg/kg	
71-43-2	Benzene	ND	0.0014	0.0012	mg/kg	
74-97-5	Bromochloromethane	ND	0.014	0.0015	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0054	0.0012	mg/kg	
75-25-2	Bromoform	ND	0.014	0.0037	mg/kg	
74-83-9	Bromomethane	ND	0.014	0.0021	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.027	0.0066	mg/kg	
75-15-0	Carbon disulfide	ND	0.0054	0.0015	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0054	0.0017	mg/kg	
108-90-7	Chlorobenzene	ND	0.0054	0.0012	mg/kg	
75-00-3	Chloroethane	ND	0.014	0.0016	mg/kg	
67-66-3	Chloroform	ND	0.0054	0.0014	mg/kg	
74-87-3	Chloromethane	ND	0.014	0.0053	mg/kg	
110-82-7	Cyclohexane	ND	0.0054	0.0018	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0054	0.0019	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0054	0.0015	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0027	0.0011	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0027	0.0015	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0027	0.0013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0027	0.0013	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.014	0.0020	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0027	0.0013	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0027	0.0013	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0027	0.0018	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0027	0.0023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0027	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0054	0.0013	mg/kg	
10061-01-5	cis-1,3-Dichloropropene [a]	ND	0.0054	0.0013	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0054	0.0012	mg/kg	
100-41-4	Ethylbenzene	ND	0.0027	0.0012	mg/kg	
76-13-1	Freon 113	ND	0.014	0.0072	mg/kg	
591-78-6	2-Hexanone [a]	ND	0.014	0.0057	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	0.0054	0.0039	mg/kg	
79-20-9	Methyl Acetate	ND	0.014	0.0038	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0054	0.0024	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0027	0.0013	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	0.014	0.0062	mg/kg	
75-09-2	Methylene chloride	ND	0.014	0.0071	mg/kg	
100-42-5	Styrene [b]	ND	0.0054	0.0011	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0054	0.0016	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0054	0.0016	mg/kg	
108-88-3	Toluene	ND	0.0027	0.0014	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.014	0.0068	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.014	0.0068	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0054	0.0013	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0054	0.0015	mg/kg	
79-01-6	Trichloroethene	ND	0.0027	0.0021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.014	0.0019	mg/kg	
75-01-4	Vinyl chloride [a]	ND	0.0054	0.0013	mg/kg	
	m,p-Xylene	ND	0.0027	0.0024	mg/kg	
95-47-6	o-Xylene [b]	ND	0.0027	0.0012	mg/kg	
1330-20-7	Xylene (total)	ND	0.0027	0.0012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-124%
17060-07-0	1,2-Dichloroethane-D4	101%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	95%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	cycloalkane	4.71	.032	mg/kg	J
	Total TIC, Volatile		.032	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED1-032323
Lab Sample ID: JD62642-4
Matrix: SO - Sediment
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 41.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CT1968.D	1	04/20/23 02:17	RS	03/29/23 14:30	OP46004	ECT87
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.29	0.071	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.71	0.088	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.71	0.12	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.71	0.25	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.71	0.54	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.71	0.15	mg/kg	
95-48-7	2-Methylphenol	ND	0.29	0.091	mg/kg	
	3&4-Methylphenol	ND	0.29	0.12	mg/kg	
88-75-5	2-Nitrophenol	ND	0.71	0.094	mg/kg	
100-02-7	4-Nitrophenol	ND	1.4	0.38	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	0.13	mg/kg	
108-95-2	Phenol	ND	0.29	0.075	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.71	0.095	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.71	0.11	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.71	0.085	mg/kg	
83-32-9	Acenaphthene	ND	0.14	0.049	mg/kg	
208-96-8	Acenaphthylene	ND	0.14	0.073	mg/kg	
98-86-2	Acetophenone	ND	0.71	0.031	mg/kg	
120-12-7	Anthracene	ND	0.14	0.088	mg/kg	
1912-24-9	Atrazine [b]	ND	0.29	0.061	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.14	0.040	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.14	0.065	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.14	0.063	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.14	0.071	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.14	0.067	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	0.055	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	0.035	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.29	0.020	mg/kg	
100-52-7	Benzaldehyde	ND	0.71	0.035	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	0.034	mg/kg	
106-47-8	4-Chloroaniline	ND	0.71	0.051	mg/kg	
86-74-8	Carbazole	ND	0.29	0.021	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.29	0.056	mg/kg	
218-01-9	Chrysene	ND	0.14	0.045	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	0.031	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	0.062	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.29	0.051	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.29	0.046	mg/kg	
121-14-2	2,4-Dinitrotoluene [b]	ND	0.14	0.044	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.14	0.072	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.29	0.12	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	0.094	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.14	0.063	mg/kg	
132-64-9	Dibenzofuran	ND	0.29	0.058	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	0.023	mg/kg	
117-84-0	Di-n-octyl phthalate [b]	ND	0.29	0.036	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	0.030	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	0.025	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	0.033	mg/kg	
206-44-0	Fluoranthene	ND	0.14	0.064	mg/kg	
86-73-7	Fluorene	ND	0.14	0.066	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	0.036	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.14	0.057	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.4	0.057	mg/kg	
67-72-1	Hexachloroethane	ND	0.71	0.071	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.14	0.067	mg/kg	
78-59-1	Isophorone	ND	0.29	0.031	mg/kg	
91-57-6	2-Methylnaphthalene	0.0363	0.14	0.032	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.71	0.034	mg/kg	
99-09-2	3-Nitroaniline	ND	0.71	0.036	mg/kg	
100-01-6	4-Nitroaniline	ND	0.71	0.037	mg/kg	
91-20-3	Naphthalene	ND	0.14	0.040	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	0.055	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	0.041	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.71	0.052	mg/kg	
85-01-8	Phenanthrene	ND	0.14	0.048	mg/kg	
129-00-0	Pyrene	ND	0.14	0.046	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.71	0.036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	64%		10-96%
118-79-6	2,4,6-Tribromophenol	72%		10-123%
4165-60-0	Nitrobenzene-d5	65%		10-109%
321-60-8	2-Fluorobiphenyl	64%		11-109%
1718-51-0	Terphenyl-d14	65%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	2.53	4.6	mg/kg	J
57-10-3	n-Hexadecanoic acid	6.67	.82	mg/kg	JN
	Total TIC, Semi-Volatile		.82	mg/kg	J

(a) Elevated detection limit due to bad sample matrix and reduced volume of sample extracted.
(b) Associated CCV outside of control limits high, sample was ND.

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165788.D	1	03/30/23 21:09	RK	03/29/23 14:00	OP45519	GOA5863
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.040	0.021	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0079	0.0045	mg/kg	
93-76-5	2,4,5-T	ND	0.0079	0.0039	mg/kg	
75-99-0	Dalapon	ND	0.0079	0.0048	mg/kg	
1918-00-9	Dicamba	ND	0.0079	0.0041	mg/kg	
120-36-5	Dichloroprop	ND	0.040	0.021	mg/kg	
88-85-7	Dinoseb	ND	0.040	0.025	mg/kg	
94-74-6	MCPA	ND	4.0	2.2	mg/kg	
93-65-2	MCPP	ND	4.0	3.3	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0040	0.0013	mg/kg	
94-82-6	2,4-DB	ND	0.040	0.022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	68%		10-138%
19719-28-9	2,4-DCAA	71%		10-138%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183933.D	1	03/30/23 08:47	CP	03/29/23 14:00	OP45511	G1G6441
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0014	0.0012	mg/kg	
319-84-6	alpha-BHC	ND	0.0014	0.0012	mg/kg	
319-85-7	beta-BHC	ND	0.0014	0.0013	mg/kg	
319-86-8	delta-BHC	ND	0.0014	0.0014	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0014	0.0011	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.0014	0.0012	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.0014	0.00065	mg/kg	
60-57-1	Dieldrin	ND	0.0014	0.00098	mg/kg	
72-54-8	4,4'-DDD	ND	0.0014	0.0013	mg/kg	
72-55-9	4,4'-DDE	ND	0.0014	0.0013	mg/kg	
50-29-3	4,4'-DDT [a]	0.0019	0.0014	0.0013	mg/kg	B
72-20-8	Endrin	ND	0.0014	0.0011	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0014	0.0011	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.0014	0.00081	mg/kg	
959-98-8	Endosulfan-I	ND	0.0014	0.00082	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0014	0.00089	mg/kg	
76-44-8	Heptachlor	ND	0.0014	0.0012	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0014	0.0010	mg/kg	
72-43-5	Methoxychlor	ND	0.0029	0.0011	mg/kg	
53494-70-5	Endrin ketone	ND	0.0014	0.0010	mg/kg	
8001-35-2	Toxaphene	ND	0.036	0.033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		13-162%
877-09-8	Tetrachloro-m-xylene	100%		13-162%
2051-24-3	Decachlorobiphenyl	98%		10-180%
2051-24-3	Decachlorobiphenyl	129%		10-180%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499362.D	1	03/30/23 11:44	MLC	03/29/23 22:50	OP45512	GXX8133
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.071	0.033	mg/kg	
11104-28-2	Aroclor 1221	ND	0.071	0.044	mg/kg	
11141-16-5	Aroclor 1232	ND	0.071	0.046	mg/kg	
53469-21-9	Aroclor 1242	ND	0.071	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.071	0.064	mg/kg	
11097-69-1	Aroclor 1254	ND	0.071	0.038	mg/kg	
11096-82-5	Aroclor 1260	ND	0.071	0.030	mg/kg	
11100-14-4	Aroclor 1268	ND	0.071	0.030	mg/kg	
37324-23-5	Aroclor 1262	ND	0.071	0.047	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		10-174%
877-09-8	Tetrachloro-m-xylene	111%		10-174%
2051-24-3	Decachlorobiphenyl	102%		10-195%
2051-24-3	Decachlorobiphenyl	109%		10-195%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
		Percent Solids:	41.9
Project:	Lyndon Road Landfill		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4090	81	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 3.2	3.2	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 3.2	3.2	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	50.5	32	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.32	0.32	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.81	0.81	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	12500	810	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	6.3	1.6	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 8.1	8.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	6.3	4.0	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	8920	81	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	11.0	3.2	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3340	810	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	530	2.4	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.066	0.066	mg/kg	1	03/29/23	03/29/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	< 6.5	6.5	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1600	1600	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 3.2	3.2	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.81	0.81	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1600	1600	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.6	1.6	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	10.4	8.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	60.1	8.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA53926
(2) Instrument QC Batch: MA53935
(3) Prep QC Batch: MP38669
(4) Prep QC Batch: MP38714

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
		Percent Solids:	41.9
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.62	0.62	mg/kg	1	03/29/23 12:06	MM	SW846 9012B/LACHAT
Solids, Percent	41.9		%	1	03/28/23 17:51	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	45900	240	mg/kg	1	03/28/23 15:07	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW2-032323		
Lab Sample ID:	JD62642-5	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115177.D	1	03/31/23 14:44	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	37%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED2-032323
Lab Sample ID: JD62642-6
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 35.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163244.D	1	03/30/23 14:20	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.092	0.061	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		10-109%
321-60-8	2-Fluorobiphenyl	67%		11-109%
1718-51-0	Terphenyl-d14	63%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED2-032323		
Lab Sample ID:	JD62642-6	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
		Percent Solids:	35.2
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	35.2		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	59000	280	mg/kg	1	03/28/23 15:21	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209713.D	1	04/02/23 20:12	TS	n/a	n/a	V2D9133
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	103%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.69	350	ug/l	J
	Total TIC, Volatile		0	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F213400.D	1	03/29/23 19:02	KH	03/28/23 19:55	OP45493	EF9418
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.87	ug/l	
59-50-7	4-Chloro-3-methyl phenol [a]	ND	5.3	0.95	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.94	ug/l	
	3&4-Methylphenol	ND	2.1	0.94	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.3	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.42	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	5.3	1.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.98	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.1	0.48	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.31	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.22	ug/l	
50-32-8	Benzo(a)pyrene [a]	ND	1.1	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene [a]	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.49	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.23	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND	1.1	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.69	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.30	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.43	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.1	0.59	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.1	0.51	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.1	0.54	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.70	ug/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.53	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.8	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.35	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	3.0	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.22	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline [a]	ND	5.3	0.47	ug/l	
91-20-3	Naphthalene	ND	1.1	0.25	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.24	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.19	ug/l	
129-00-0	Pyrene	ND	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	26%		10-71%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	19%		10-58%
118-79-6	2,4,6-Tribromophenol	77%		22-144%
4165-60-0	Nitrobenzene-d5	68%		28-118%
321-60-8	2-Fluorobiphenyl	65%		34-116%
1718-51-0	Terphenyl-d14	41%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115178.D	1	03/31/23 15:05	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		23-127%
321-60-8	2-Fluorobiphenyl	63%		23-114%
1718-51-0	Terphenyl-d14	35%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4372.D	1	03/31/23 03:28	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.40	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.043	ug/l	
75-99-0	Dalapon	ND	0.080	0.060	ug/l	
1918-00-9	Dicamba	ND	0.080	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.40	0.16	ug/l	
88-85-7	Dinoseb	ND	0.40	0.16	ug/l	
94-74-6	MCPA [a]	ND	40	27	ug/l	
93-65-2	MCPP [a]	ND	40	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.080	0.041	ug/l	
94-82-6	2,4-DB	ND	0.40	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	24%		10-150%
19719-28-9	2,4-DCAA	34%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89718.D	1	03/29/23 12:01	MLC	03/28/23 06:50	OP45489	G6G3253
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-175%
877-09-8	Tetrachloro-m-xylene	81%		10-175%
2051-24-3	Decachlorobiphenyl	51%		10-128%
2051-24-3	Decachlorobiphenyl	77%		10-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499341.D	1	03/29/23 13:15	RK	03/28/23 06:50	OP45490	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-169%
877-09-8	Tetrachloro-m-xylene	65%		10-169%
2051-24-3	Decachlorobiphenyl	56%		10-130%
2051-24-3	Decachlorobiphenyl	53%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Calcium	84700	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Iron	324	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Magnesium	27600	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Manganese	68.6	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [2]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Sodium	68400	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Zinc	72.3	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA53935
(2) Instrument QC Batch: MA53937
(3) Prep QC Batch: MP38704
(4) Prep QC Batch: MP38772

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:45	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW4-032323		
Lab Sample ID:	JD62642-8	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115179.D	1	03/31/23 15:27	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		23-127%
321-60-8	2-Fluorobiphenyl	63%		23-114%
1718-51-0	Terphenyl-d14	35%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED4-032323
Lab Sample ID: JD62642-9
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 39.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163245.D	1	03/30/23 14:44	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.083	0.055	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		10-109%
321-60-8	2-Fluorobiphenyl	67%		11-109%
1718-51-0	Terphenyl-d14	67%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED4-032323		
Lab Sample ID:	JD62642-9	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
		Percent Solids:	39.0
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	39		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	64800	260	mg/kg	1	03/28/23 15:34	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I249267.D	1	04/03/23 17:01	CL	n/a	n/a	VI10122
Run #2							

	Initial Weight
Run #1	10.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0059	0.010	0.0043	mg/kg	J
71-43-2	Benzene	ND	0.00051	0.00047	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00058	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	0.00044	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.0014	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00079	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0025	mg/kg	
75-15-0	Carbon disulfide	ND	0.0021	0.00055	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	0.00064	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	0.00047	mg/kg	
75-00-3	Chloroethane	ND	0.0051	0.00061	mg/kg	
67-66-3	Chloroform	ND	0.0021	0.00053	mg/kg	
74-87-3	Chloromethane	ND	0.0051	0.0020	mg/kg	
110-82-7	Cyclohexane	ND	0.0021	0.00068	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0021	0.00071	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0021	0.00058	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00043	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00056	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00051	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00051	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0051	0.00075	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00051	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00048	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00067	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00086	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00063	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0021	0.00049	mg/kg	
10061-01-5	cis-1,3-Dichloropropene [a]	ND	0.0021	0.00049	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	0.00047	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00047	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.0027	mg/kg	
591-78-6	2-Hexanone [a]	ND	0.0051	0.0022	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	0.0021	0.0015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.0014	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0021	0.00090	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00048	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	0.0051	0.0023	mg/kg	
75-09-2	Methylene chloride	0.0052	0.0051	0.0027	mg/kg	
100-42-5	Styrene [b]	ND	0.0021	0.00041	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0021	0.00062	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0021	0.00060	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00054	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0051	0.0026	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0051	0.0026	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	0.00050	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	0.00057	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00078	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00070	mg/kg	
75-01-4	Vinyl chloride [a]	ND	0.0021	0.00050	mg/kg	
	m,p-Xylene	ND	0.0010	0.00092	mg/kg	
95-47-6	o-Xylene [b]	ND	0.0010	0.00047	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00047	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-124%
17060-07-0	1,2-Dichloroethane-D4	105%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	94%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	3.96	.0087	mg/kg	J
75-18-3	Dimethyl sulfide	4.38	.0074	mg/kg	JN
	Total TIC, Volatile		.0161	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED3-032323
Lab Sample ID: JD62642-10
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 48.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163243.D	1	03/30/23 13:56	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.14	0.033	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.34	0.042	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.34	0.058	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.34	0.12	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.34	0.25	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.34	0.072	mg/kg	
95-48-7	2-Methylphenol	ND	0.14	0.043	mg/kg	
	3&4-Methylphenol	ND	0.14	0.056	mg/kg	
88-75-5	2-Nitrophenol	ND	0.34	0.045	mg/kg	
100-02-7	4-Nitrophenol	ND	0.68	0.18	mg/kg	
87-86-5	Pentachlorophenol	ND	0.27	0.064	mg/kg	
108-95-2	Phenol	ND	0.14	0.035	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.34	0.045	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.34	0.051	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.34	0.040	mg/kg	
83-32-9	Acenaphthene	ND	0.068	0.023	mg/kg	
208-96-8	Acenaphthylene	ND	0.068	0.034	mg/kg	
98-86-2	Acetophenone	ND	0.34	0.015	mg/kg	
120-12-7	Anthracene	ND	0.068	0.042	mg/kg	
1912-24-9	Atrazine	ND	0.14	0.029	mg/kg	
56-55-3	Benzo(a)anthracene	0.0592	0.068	0.019	mg/kg	J
50-32-8	Benzo(a)pyrene	0.0667	0.068	0.031	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0947	0.068	0.030	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0600	0.068	0.034	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.068	0.032	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.14	0.026	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.14	0.017	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.14	0.0093	mg/kg	
100-52-7	Benzaldehyde	0.0316	0.34	0.017	mg/kg	J
91-58-7	2-Chloronaphthalene	ND	0.14	0.016	mg/kg	
106-47-8	4-Chloroaniline	ND	0.34	0.024	mg/kg	
86-74-8	Carbazole	0.0136	0.14	0.0098	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED3-032323
Lab Sample ID: JD62642-10
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 48.1

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.14	0.027	mg/kg	
218-01-9	Chrysene	0.0713	0.068	0.021	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.14	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.14	0.029	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.14	0.024	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.14	0.022	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.068	0.021	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.068	0.034	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.14	0.056	mg/kg	
123-91-1	1,4-Dioxane	ND	0.068	0.045	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.068	0.030	mg/kg	
132-64-9	Dibenzofuran	ND	0.14	0.028	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.14	0.011	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.14	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.14	0.014	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.14	0.012	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.14	0.016	mg/kg	
206-44-0	Fluoranthene	0.110	0.068	0.030	mg/kg	
86-73-7	Fluorene	ND	0.068	0.031	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.14	0.017	mg/kg	
87-68-3	Hexachlorobutadiene [a]	ND	0.068	0.027	mg/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	0.68	0.027	mg/kg	
67-72-1	Hexachloroethane	ND	0.34	0.034	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0574	0.068	0.032	mg/kg	J
78-59-1	Isophorone	ND	0.14	0.014	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.068	0.015	mg/kg	
88-74-4	2-Nitroaniline	ND	0.34	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.34	0.017	mg/kg	
100-01-6	4-Nitroaniline [b]	ND	0.34	0.018	mg/kg	
91-20-3	Naphthalene	ND	0.068	0.019	mg/kg	
98-95-3	Nitrobenzene	ND	0.14	0.026	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.14	0.020	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.34	0.025	mg/kg	
85-01-8	Phenanthrene	0.0712	0.068	0.023	mg/kg	
129-00-0	Pyrene	0.104	0.068	0.022	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.34	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	76%		10-96%
118-79-6	2,4,6-Tribromophenol	118%		10-123%
4165-60-0	Nitrobenzene-d5	94%		10-109%
321-60-8	2-Fluorobiphenyl	90%		11-109%
1718-51-0	Terphenyl-d14	89%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.56	.35	mg/kg	J
	system artifact/aldol-condensation	3.61	1.5	mg/kg	J
	system artifact	4.33	.67	mg/kg	J
121-33-5	Vanillin	6.63	.35	mg/kg	JN
1000297-95-54-	((1E)-3-Hydroxy-1-propenyl)-2-methoxy	8.34	.79	mg/kg	JN
	unknown acid	9.41	.98	mg/kg	J
	unknown acid	9.46	.91	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.52	1	mg/kg	JN
	unknown	9.76	.6	mg/kg	J
	unknown acid	10.58	.6	mg/kg	J
	unknown	12.50	.31	mg/kg	J
	alkane	13.53	.3	mg/kg	J
	unknown	14.04	.3	mg/kg	J
	alkane	14.48	.31	mg/kg	J
	unknown	15.13	.31	mg/kg	J
7616-22-0	.gamma.-Tocopherol	15.22	.41	mg/kg	JN
	alkane	15.37	.28	mg/kg	J
59-02-9	Vitamin E	15.58	.27	mg/kg	JN
	Sitosterol	16.69	.61	mg/kg	J
	Total TIC, Semi-Volatile		8.33	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165789.D	1	03/30/23 21:32	RK	03/29/23 14:00	OP45519	GOA5863
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.032	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0065	0.0036	mg/kg	
93-76-5	2,4,5-T	ND	0.0065	0.0032	mg/kg	
75-99-0	Dalapon	ND	0.0065	0.0039	mg/kg	
1918-00-9	Dicamba	ND	0.0065	0.0034	mg/kg	
120-36-5	Dichloroprop	ND	0.032	0.017	mg/kg	
88-85-7	Dinoseb	ND	0.032	0.020	mg/kg	
94-74-6	MCPA	ND	3.2	1.8	mg/kg	
93-65-2	MCPP	ND	3.2	2.7	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0032	0.0010	mg/kg	
94-82-6	2,4-DB	ND	0.032	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	56%		10-138%
19719-28-9	2,4-DCAA	48%		10-138%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183923.D	1	03/30/23 05:56	CP	03/29/23 14:00	OP45511	G1G6441
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0013	0.0010	mg/kg	
319-84-6	alpha-BHC	ND	0.0013	0.0010	mg/kg	
319-85-7	beta-BHC	ND	0.0013	0.0011	mg/kg	
319-86-8	delta-BHC	ND	0.0013	0.0012	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0013	0.00093	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.0013	0.0010	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.0013	0.00057	mg/kg	
60-57-1	Dieldrin	ND	0.0013	0.00087	mg/kg	
72-54-8	4,4'-DDD	0.0017	0.0013	0.0012	mg/kg	
72-55-9	4,4'-DDE	ND	0.0013	0.0011	mg/kg	
50-29-3	4,4'-DDT [a]	0.0015	0.0013	0.0011	mg/kg	
72-20-8	Endrin	ND	0.0013	0.00098	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0013	0.00099	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.0013	0.00072	mg/kg	
959-98-8	Endosulfan-I	ND	0.0013	0.00073	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0013	0.00079	mg/kg	
76-44-8	Heptachlor	ND	0.0013	0.0011	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0013	0.00089	mg/kg	
72-43-5	Methoxychlor	ND	0.0025	0.0010	mg/kg	
53494-70-5	Endrin ketone	ND	0.0013	0.00092	mg/kg	
8001-35-2	Toxaphene	ND	0.032	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		13-162%
877-09-8	Tetrachloro-m-xylene	126%		13-162%
2051-24-3	Decachlorobiphenyl	115%		10-180%
2051-24-3	Decachlorobiphenyl	166%		10-180%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499361.D	1	03/30/23 11:27	MLC	03/29/23 22:50	OP45512	GXX8133
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.063	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.063	0.039	mg/kg	
11141-16-5	Aroclor 1232	ND	0.063	0.040	mg/kg	
53469-21-9	Aroclor 1242	ND	0.063	0.026	mg/kg	
12672-29-6	Aroclor 1248	ND	0.063	0.057	mg/kg	
11097-69-1	Aroclor 1254	ND	0.063	0.034	mg/kg	
11096-82-5	Aroclor 1260	ND	0.063	0.027	mg/kg	
11100-14-4	Aroclor 1268	ND	0.063	0.027	mg/kg	
37324-23-5	Aroclor 1262	ND	0.063	0.041	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	127%		10-174%
877-09-8	Tetrachloro-m-xylene	142%		10-174%
2051-24-3	Decachlorobiphenyl	120%		10-195%
2051-24-3	Decachlorobiphenyl	130%		10-195%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
		Percent Solids:	48.1
Project:	Lyndon Road Landfill		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7400	110	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 4.3	4.3	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 4.3	4.3	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	68.8	43	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.43	0.43	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 1.1	1.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	23000	1100	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	10.5	2.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 11	11	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	13.4	5.4	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	16200	110	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	14.5	4.3	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	7270	1100	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	568	3.2	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.058	0.058	mg/kg	1	03/29/23	03/29/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.7	8.6	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 2100	2100	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 4.3	4.3	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 2100	2100	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 2.1	2.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	16.6	11	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	80.9	11	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA53926
(2) Instrument QC Batch: MA53935
(3) Prep QC Batch: MP38669
(4) Prep QC Batch: MP38714

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
		Percent Solids:	48.1
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.48	0.48	mg/kg	1	03/29/23 12:07	MM	SW846 9012B/LACHAT
Solids, Percent	48.1		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	40600	210	mg/kg	1	03/28/23 15:48	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

SW
SED
WTB
WEB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

MN-031523-85 2

Page 1 of 2

Regulatory Program: 5899 1772 0061
SGS Quote #:
Bottle Order Control #:
SGS Job #: JD62642

Client / Reporting Information	Project Information
Company Name: Ramboll	Project Name: Lyndon Road Landfill
Street Address: 333 W Washington St	Street:
City / State / Zip: Syracuse NY	City / State:
Project Contact / E-mail: R Trent	Project #:
Phone #:	Client Purchase Order #: 1400102910
Sampler(s) Name(s) / Phone #: R Brady J Lombardi	Project Manager:
	Billing Information (If different from Report to): Company Name:
	Street Address:
	City / State / Zip:
	Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection: Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles: # of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-TB-032323		3/23/23	0900	RB	G	N	TB	2	2								2	
2	LR-EB-032323		3/23/23	1720	RB	G	N	EB	3					3					
~~LR-EB-032323~~																			
3	LR-SW1-032323			1000	RB	G	N	SW	16	3	1	1		11				HRB	
4	LR-SED1-032323			1115	RB	C	N	SED	9					6	1			4	
5	LR-SW2-032323			1300	RB	G	N	SW	5					5					
6	LR-SED2-032323			1315	RB	C	N	SED	4					4					
	LR-SW3-032323			1430					16	3	1	1		11					
7	LR-SW3-032323_MS			1430					16	3	1	1		11					
*	LR-SW3-032323_MSD			1430					16	3	1	1		11					
8	LR-SW4-032323			1650					5					5					
9	LR-SED4-032323			1710					4					4					

Preservation / Container Type: V 8260 TCL 20+, SOL104 | V 8260 TCL 20+ | ABN TCL + TICs + 1,4-Dioxane, SOL104 | 8270 TCL + 1,4-Dioxane, SOL104 | Lead 6010 33 List 40, SOL104 | TOC, UK | VOC 8260 TCL + Naphthalene + 1,4-Dioxane, SOL104 | Lead 6010 33 List 40 | Lead 6010 33 List 40 | 8270 SIM 1,4-Dioxane

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [x] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format NYSDEC Value 2

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions:

6 4x 200 mL RCB

Initial Assessment 3A JK

Label Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1	[signature] 3/23/23 0Pm		1 Fed Ex
2	Fed Ex	3/24/23 10:00	2 [signature]
3			3
4			4
5			5

Custody Seal # ☐ Intact ☐ Not intact ☐ Absent

Therm ID: 40 On Ice ☐ See Sample Receipt Summary

Cooler Temp. °C: 4.7

3.3° 4.2 IR-40, 3.3

EHSA-QAC-0023-05 Rev. Date: 8/5/22

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD62642

Client / Reporting Information
Company Name: Ramboll
Street Address: 333 W. Washington St
City State Zip:
Project Contact E-mail:
Phone #:
Sampler(s) Name(s) Phone #:

Project Information
Project Name:
Street:
City State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City State Zip:
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
	LR-SED3-032823			1545					9					6	2	1		4 1 1 2 1	
10	LR-SED3-032823-MS			1545					8					5	2	1		4 1 1 2	
	LR-SED3-032823-MSD			1545					8					5	2	1		4 1 1 2	

Turn Around Time (Business Days)
Approved By (SGS PM) / Date:
- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format NYSDEC Valid Values

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	[illegible]	3/28/23 0800	1 FedEx	2 FedEx	3/29/23	2
3			3	4		4
5			5	Custody Seal #	Intact / Not intact / Absent	Therm ID: / See Sample Receipt Summary

On Ice | Cooler Temp. °C

EHSA-QAC-0023-05 Rev.Date:8/5/22

SGS Sample Receipt Summary

Job Number: JD62642 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - TEST TRENC

Date / Time Received: 3/24/2023 10:00:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.7); Cooler 2: (3.3); Cooler 3: (3.3); Cooler 4: (4.2);

Cooler Temps (Corrected) °C: Cooler 1: (4.5); Cooler 2: (3.1); Cooler 3: (3.1); Cooler 4: (4.0);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	4		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD62642

Sampling Date: 03/23/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: 34

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD62642

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD62642-1	03/23/23	17:20	RB	03/24/23	AQ	Trip Blank Water	LR-TB-032323
*	JD62642-2	03/23/23	17:20	RB	03/24/23	AQ	Equipment Blank	LR-EB-032323
	JD62642-3	03/23/23	10:00	RB	03/24/23	AQ	Surface Water	LR-SW1-032323
*	JD62642-3A	03/23/23	10:00	RB	03/24/23	AQ	Surface Water	LR-SW1-032323
	JD62642-4	03/23/23	11:15	RB	03/24/23	SO	Sediment	LR-SED1-032323
*	JD62642-4A	03/23/23	11:15	RB	03/24/23	SO	Sediment	LR-SED1-032323
	JD62642-5	03/23/23	13:00	RB	03/24/23	AQ	Surface Water	LR-SW2-032323
*	JD62642-5A	03/23/23	13:00	RB	03/24/23	AQ	Surface Water	LR-SW2-032323
	JD62642-6	03/23/23	13:15	RB	03/24/23	SO	Sediment	LR-SED2-032323
*	JD62642-6A	03/23/23	13:15	RB	03/24/23	SO	Sediment	LR-SED2-032323
	JD62642-7	03/23/23	14:30	RB	03/24/23	AQ	Surface Water	LR-SW3-032323
*	JD62642-7A	03/23/23	14:30	RB	03/24/23	AQ	Surface Water	LR-SW3-032323

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD62642

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD62642-7D	03/23/23	14:30	RB	03/24/23	AQ	Water Dup/MSD	LR-SW3-032323
*	JD62642-7DA	03/23/23	14:30	RB	03/24/23	AQ	Water Dup/MSD	LR-SW3-032323
	JD62642-7S	03/23/23	14:30	RB	03/24/23	AQ	Water Matrix Spike	LR-SW3-032323
*	JD62642-7SA	03/23/23	14:30	RB	03/24/23	AQ	Water Matrix Spike	LR-SW3-032323
	JD62642-8	03/23/23	16:50	RB	03/24/23	AQ	Surface Water	LR-SW4-032323
*	JD62642-8A	03/23/23	16:50	RB	03/24/23	AQ	Surface Water	LR-SW4-032323
	JD62642-9	03/23/23	17:10	RB	03/24/23	SO	Sediment	LR-SED4-032323
*	JD62642-9A	03/23/23	17:10	RB	03/24/23	SO	Sediment	LR-SED4-032323
	JD62642-10	03/23/23	15:45	RB	03/24/23	SO	Sediment	LR-SED3-032323
*	JD62642-10A	03/23/23	15:45	RB	03/24/23	SO	Sediment	LR-SED3-032323
	JD62642-10D	03/23/23	15:45	RB	03/24/23	SO	Soil Dup/MSD	LR-SED3-032323
*	JD62642-10DA	03/23/23	15:45	RB	03/24/23	SO	Soil Dup/MSD	LR-SED3-032323
	JD62642-10S	03/23/23	15:45	RB	03/24/23	SO	Soil Matrix Spike	LR-SED3-032323

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD62642

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
*	JD62642-10SA	03/23/23	15:45	RB	03/24/23	SO	Soil Matrix Spike	LR-SED3-032323

* The following report applies to these samples only (14 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-EB-032323		
Lab Sample ID:	JD62642-2	**Date Sampled:**	03/23/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16126.D	1	04/05/23 18:51	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0074	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0037	0.00093	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0019	0.00046	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0019	0.00093	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-032323		
Lab Sample ID:	JD62642-2	**Date Sampled:**	03/23/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	92%		20-150%
	13C5-PFPeA	91%		20-150%
	13C5-PFHxA	92%		20-150%
	13C4-PFHpA	90%		20-150%
	13C8-PFOA	93%		20-150%
	13C9-PFNA	85%		20-150%
	13C6-PFDA	84%		20-150%
	13C7-PFUnDA	76%		20-150%
	13C2-PFDoDA	66%		20-150%
	13C2-PFTeDA	54%		20-150%
	13C3-PFBS	85%		20-150%
	13C3-PFHxS	77%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-032323		
Lab Sample ID:	JD62642-2	**Date Sampled:**	03/23/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	86%		20-150%
	13C8-FOSA	70%		20-150%
	d3-MeFOSA	70%		20-150%
	d5-EtFOSA	67%		20-150%
	d3-MeFOSAA	89%		20-150%
	d5-EtFOSAA	81%		20-150%
	d7-MeFOSE	70%		20-150%
	d9-EtFOSE	72%		20-150%
	13C2-4:2FTS	105%		20-150%
	13C2-6:2FTS	107%		20-150%
	13C2-8:2FTS	96%		20-150%
	13C3-HFPO-DA	84%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16127.D	1	04/05/23 19:05	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0081	0.0074	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0017	0.0037	0.00093	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0020	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0011	0.0019	0.00046	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0069	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0018	0.0019	0.00093	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0018	0.0019	0.00093	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	58%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	98%		20-150%
	13C4-PFHpA	109%		20-150%
	13C8-PFOA	103%		20-150%
	13C9-PFNA	95%		20-150%
	13C6-PFDA	94%		20-150%
	13C7-PFUnDA	94%		20-150%
	13C2-PFDoDA	72%		20-150%
	13C2-PFTeDA	47%		20-150%
	13C3-PFBS	89%		20-150%
	13C3-PFHxS	91%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	99%		20-150%
	13C8-FOSA	92%		20-150%
	d3-MeFOSA	83%		20-150%
	d5-EtFOSA	78%		20-150%
	d3-MeFOSAA	104%		20-150%
	d5-EtFOSAA	93%		20-150%
	d7-MeFOSE	74%		20-150%
	d9-EtFOSE	72%		20-150%
	13C2-4:2FTS	98%		20-150%
	13C2-6:2FTS	92%		20-150%
	13C2-8:2FTS	78%		20-150%
	13C3-HFPO-DA	94%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16177.D	1	04/06/23 06:48	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.04 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0039	0.0019	0.0012	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00095	0.00024	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00047	0.00024	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00047	0.00024	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00096	0.00047	0.00024	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00047	0.00027	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00047	0.00024	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00047	0.00031	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00047	0.00024	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00047	0.00024	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00047	0.00024	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00047	0.00024	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00047	0.00037	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00047	0.00038	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00047	0.00034	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00093	0.00047	0.00024	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00047	0.00043	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00047	0.00034	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00047	0.00036	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0019	0.00095	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0019	0.00095	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0019	0.0014	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00047	0.00024	mg/kg	
31506-32-8	MeFOSA	ND	0.00047	0.00032	mg/kg	
4151-50-2	EtFOSA	ND	0.00047	0.00024	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00047	0.00037	mg/kg	
2991-50-6	EtFOSAA	ND	0.00047	0.00047	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0047	0.0024	mg/kg	
1691-99-2	EtFOSE	ND	0.0047	0.0024	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0019	0.00068	mg/kg	
919005-14-4	ADONA	ND	0.0019	0.00080	mg/kg	
377-73-1	PFMPA	ND	0.00095	0.00047	mg/kg	
863090-89-5	PFMBA	ND	0.00095	0.00047	mg/kg	
151772-58-6	NFDHA	ND	0.00095	0.00058	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0019	0.0010	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0019	0.00095	mg/kg	
113507-82-7	PFEESA	ND	0.00095	0.00047	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0024	0.0012	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.012	0.0027	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.012	0.0030	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	78%		20-150%
	13C5-PFPeA	79%		20-150%
	13C5-PFHxA	80%		20-150%
	13C4-PFHpA	80%		20-150%
	13C8-PFOA	76%		20-150%
	13C9-PFNA	75%		20-150%
	13C6-PFDA	73%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	68%		20-150%
	13C2-PFTeDA	60%		20-150%
	13C3-PFBS	74%		20-150%
	13C3-PFHxS	72%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	73%		20-150%
	13C8-FOSA	68%		20-150%
	d3-MeFOSA	61%		20-150%
	d5-EtFOSA	57%		20-150%
	d3-MeFOSAA	83%		20-150%
	d5-EtFOSAA	83%		20-150%
	d7-MeFOSE	49%		20-150%
	d9-EtFOSE	52%		20-150%
	13C2-4:2FTS	82%		20-150%
	13C2-6:2FTS	88%		20-150%
	13C2-8:2FTS	78%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW2-032323		
Lab Sample ID:	JD62642-5A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16128.D	1	04/05/23 19:19	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0060	0.0074	0.0037	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0018	0.0037	0.00093	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0023	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	0.00084	0.0019	0.00046	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0059	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0017	0.0019	0.00093	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0021	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW2-032323		
Lab Sample ID:	JD62642-5A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	59%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	102%		20-150%
	13C4-PFHpA	107%		20-150%
	13C8-PFOA	99%		20-150%
	13C9-PFNA	94%		20-150%
	13C6-PFDA	96%		20-150%
	13C7-PFUnDA	91%		20-150%
	13C2-PFDoDA	77%		20-150%
	13C2-PFTeDA	52%		20-150%
	13C3-PFBS	99%		20-150%
	13C3-PFHxS	91%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW2-032323		
Lab Sample ID:	JD62642-5A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	92%		20-150%
	13C8-FOSA	92%		20-150%
	d3-MeFOSA	81%		20-150%
	d5-EtFOSA	77%		20-150%
	d3-MeFOSAA	105%		20-150%
	d5-EtFOSAA	98%		20-150%
	d7-MeFOSE	67%		20-150%
	d9-EtFOSE	69%		20-150%
	13C2-4:2FTS	113%		20-150%
	13C2-6:2FTS	106%		20-150%
	13C2-8:2FTS	71%		20-150%
	13C3-HFPO-DA	92%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED2-032323		
Lab Sample ID:	JD62642-6A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	35.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16178.D	1	04/06/23 07:02	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0023	0.0014	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.0011	0.00029	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00057	0.00029	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00057	0.00029	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0014	0.00057	0.00029	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00057	0.00033	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00057	0.00029	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00057	0.00038	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00057	0.00029	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00057	0.00029	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00057	0.00029	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00057	0.00029	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00057	0.00045	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00057	0.00045	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00057	0.00041	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00090	0.00057	0.00029	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00057	0.00052	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00057	0.00041	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00057	0.00043	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0023	0.0011	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0023	0.0011	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0023	0.0017	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00057	0.00029	mg/kg	
31506-32-8	MeFOSA	ND	0.00057	0.00039	mg/kg	
4151-50-2	EtFOSA	ND	0.00057	0.00029	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED2-032323		
Lab Sample ID:	JD62642-6A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	35.2
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00057	0.00045	mg/kg	
2991-50-6	EtFOSAA	ND	0.00057	0.00056	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0057	0.0029	mg/kg	
1691-99-2	EtFOSE	ND	0.0057	0.0029	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0023	0.00083	mg/kg	
919005-14-4	ADONA	ND	0.0023	0.00096	mg/kg	
377-73-1	PFMPA	ND	0.0011	0.00057	mg/kg	
863090-89-5	PFMBA	ND	0.0011	0.00057	mg/kg	
151772-58-6	NFDHA	ND	0.0011	0.00070	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0023	0.0013	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0023	0.0011	mg/kg	
113507-82-7	PFEESA	ND	0.0011	0.00057	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0029	0.0015	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.014	0.0033	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.014	0.0036	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	78%		20-150%
	13C5-PFPeA	75%		20-150%
	13C5-PFHxA	77%		20-150%
	13C4-PFHpA	75%		20-150%
	13C8-PFOA	79%		20-150%
	13C9-PFNA	73%		20-150%
	13C6-PFDA	79%		20-150%
	13C7-PFUnDA	75%		20-150%
	13C2-PFDoDA	71%		20-150%
	13C2-PFTeDA	62%		20-150%
	13C3-PFBS	74%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED2-032323		
Lab Sample ID:	JD62642-6A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	35.2
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	71%		20-150%
	13C8-FOSA	66%		20-150%
	d3-MeFOSA	60%		20-150%
	d5-EtFOSA	56%		20-150%
	d3-MeFOSAA	78%		20-150%
	d5-EtFOSAA	78%		20-150%
	d7-MeFOSE	48%		20-150%
	d9-EtFOSE	48%		20-150%
	13C2-4:2FTS	83%		20-150%
	13C2-6:2FTS	91%		20-150%
	13C2-8:2FTS	82%		20-150%
	13C3-HFPO-DA	70%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16129.D	1	04/05/23 19:33	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	460 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0052	0.0087	0.0043	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0016	0.0043	0.0011	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0020	0.0022	0.00054	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.00081	0.0022	0.00054	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0056	0.0022	0.00054	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0022	0.00066	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0022	0.00054	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0022	0.00065	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0022	0.00065	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0022	0.00091	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0022	0.00054	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0016	0.0022	0.0011	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0022	0.0012	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0022	0.0011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0022	0.0011	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0016	0.0022	0.0011	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0022	0.0011	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0022	0.0011	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0022	0.0012	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0087	0.0045	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0022	0.0011	ug/l	
31506-32-8	MeFOSA	ND	0.0022	0.0011	ug/l	
4151-50-2	EtFOSA	ND	0.0022	0.0011	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0022	0.0011	ug/l	
2991-50-6	EtFOSAA	ND	0.0022	0.0014	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.022	0.011	ug/l	
1691-99-2	EtFOSE	ND	0.022	0.011	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0087	0.0022	ug/l	
919005-14-4	ADONA	ND	0.0087	0.0022	ug/l	
377-73-1	PFMPA	ND	0.0043	0.0011	ug/l	
863090-89-5	PFMBA	ND	0.0043	0.0012	ug/l	
151772-58-6	NFDHA	ND	0.0043	0.0013	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0087	0.0022	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0087	0.0022	ug/l	
113507-82-7	PFEESA	ND	0.0043	0.0011	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.011	0.0054	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.054	0.011	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.054	0.011	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	79%		20-150%
	13C5-PFPeA	100%		20-150%
	13C5-PFHxA	104%		20-150%
	13C4-PFHpA	100%		20-150%
	13C8-PFOA	97%		20-150%
	13C9-PFNA	100%		20-150%
	13C6-PFDA	101%		20-150%
	13C7-PFUnDA	93%		20-150%
	13C2-PFDoDA	77%		20-150%
	13C2-PFTeDA	49%		20-150%
	13C3-PFBS	88%		20-150%
	13C3-PFHxS	94%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	92%		20-150%
	13C8-FOSA	88%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	73%		20-150%
	d3-MeFOSAA	98%		20-150%
	d5-EtFOSAA	91%		20-150%
	d7-MeFOSE	69%		20-150%
	d9-EtFOSE	66%		20-150%
	13C2-4:2FTS	101%		20-150%
	13C2-6:2FTS	90%		20-150%
	13C2-8:2FTS	82%		20-150%
	13C3-HFPO-DA	88%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW4-032323		
Lab Sample ID:	JD62642-8A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16132.D	1	04/05/23 20:15	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0059	0.0074	0.0037	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0017	0.0037	0.00093	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0021	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0010	0.0019	0.00046	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0068	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0017	0.0019	0.00093	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0017	0.0019	0.00093	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW4-032323		
Lab Sample ID:	JD62642-8A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	54%		20-150%
	13C5-PFPeA	100%		20-150%
	13C5-PFHxA	101%		20-150%
	13C4-PFHpA	101%		20-150%
	13C8-PFOA	98%		20-150%
	13C9-PFNA	99%		20-150%
	13C6-PFDA	100%		20-150%
	13C7-PFUnDA	89%		20-150%
	13C2-PFDoDA	74%		20-150%
	13C2-PFTeDA	52%		20-150%
	13C3-PFBS	92%		20-150%
	13C3-PFHxS	93%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW4-032323		
Lab Sample ID:	JD62642-8A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	92%		20-150%
	13C8-FOSA	92%		20-150%
	d3-MeFOSA	78%		20-150%
	d5-EtFOSA	70%		20-150%
	d3-MeFOSAA	96%		20-150%
	d5-EtFOSAA	85%		20-150%
	d7-MeFOSE	64%		20-150%
	d9-EtFOSE	64%		20-150%
	13C2-4:2FTS	96%		20-150%
	13C2-6:2FTS	90%		20-150%
	13C2-8:2FTS	77%		20-150%
	13C3-HFPO-DA	96%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED4-032323		
Lab Sample ID:	JD62642-9A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	39.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16179.D	1	04/06/23 07:16	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0020	0.0013	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.0010	0.00026	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00051	0.00026	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00051	0.00026	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0072	0.00051	0.00026	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00051	0.00029	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00051	0.00026	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00051	0.00034	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00051	0.00026	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00051	0.00026	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00051	0.00026	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00051	0.00026	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00051	0.00040	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00051	0.00041	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00051	0.00037	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0145	0.00051	0.00026	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00051	0.00046	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00051	0.00037	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00051	0.00038	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0020	0.0010	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0020	0.0010	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0020	0.0015	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	0.00069	0.00051	0.00026	mg/kg	
31506-32-8	MeFOSA	ND	0.00051	0.00035	mg/kg	
4151-50-2	EtFOSA	ND	0.00051	0.00026	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED4-032323		
Lab Sample ID:	JD62642-9A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	39.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00051	0.00040	mg/kg	
2991-50-6	EtFOSAA	0.0020	0.00051	0.00050	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0051	0.0026	mg/kg	
1691-99-2	EtFOSE	ND	0.0051	0.0026	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0020	0.00074	mg/kg	
919005-14-4	ADONA	ND	0.0020	0.00086	mg/kg	
377-73-1	PFMPA	ND	0.0010	0.00051	mg/kg	
863090-89-5	PFMBA	ND	0.0010	0.00051	mg/kg	
151772-58-6	NFDHA	ND	0.0010	0.00062	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0020	0.0011	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0020	0.0010	mg/kg	
113507-82-7	PFEESA	ND	0.0010	0.00051	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0026	0.0013	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.013	0.0029	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.013	0.0032	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	71%		20-150%
	13C5-PFPeA	69%		20-150%
	13C5-PFHxA	70%		20-150%
	13C4-PFHpA	71%		20-150%
	13C8-PFOA	67%		20-150%
	13C9-PFNA	76%		20-150%
	13C6-PFDA	84%		20-150%
	13C7-PFUnDA	77%		20-150%
	13C2-PFDoDA	69%		20-150%
	13C2-PFTeDA	63%		20-150%
	13C3-PFBS	67%		20-150%
	13C3-PFHxS	67%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED4-032323		
Lab Sample ID:	JD62642-9A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	39.0
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	67%		20-150%
	13C8-FOSA	71%		20-150%
	d3-MeFOSA	58%		20-150%
	d5-EtFOSA	54%		20-150%
	d3-MeFOSAA	75%		20-150%
	d5-EtFOSAA	76%		20-150%
	d7-MeFOSE	47%		20-150%
	d9-EtFOSE	46%		20-150%
	13C2-4:2FTS	77%		20-150%
	13C2-6:2FTS	77%		20-150%
	13C2-8:2FTS	71%		20-150%
	13C3-HFPO-DA	68%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16180.D	1	04/06/23 07:30	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0017	0.0010	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00083	0.00021	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00041	0.00021	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00041	0.00021	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00045	0.00041	0.00021	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00041	0.00024	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00041	0.00021	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00041	0.00028	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00041	0.00021	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00041	0.00021	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00041	0.00021	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00041	0.00021	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00041	0.00033	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00041	0.00033	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00041	0.00030	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00053	0.00041	0.00021	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00041	0.00037	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00041	0.00030	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00041	0.00031	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0017	0.00083	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0017	0.00083	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0017	0.0012	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00041	0.00021	mg/kg	
31506-32-8	MeFOSA	ND	0.00041	0.00028	mg/kg	
4151-50-2	EtFOSA	ND	0.00041	0.00021	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00041	0.00033	mg/kg	
2991-50-6	EtFOSAA	ND	0.00041	0.00041	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0041	0.0021	mg/kg	
1691-99-2	EtFOSE	ND	0.0041	0.0021	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0017	0.00060	mg/kg	
919005-14-4	ADONA	ND	0.0017	0.00070	mg/kg	
377-73-1	PFMPA	ND	0.00083	0.00041	mg/kg	
863090-89-5	PFMBA	ND	0.00083	0.00041	mg/kg	
151772-58-6	NFDHA	ND	0.00083	0.00051	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0017	0.00091	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0017	0.00083	mg/kg	
113507-82-7	PFEESA	ND	0.00083	0.00041	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0021	0.0011	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.010	0.0024	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.010	0.0026	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	80%		20-150%
	13C5-PFPeA	77%		20-150%
	13C5-PFHxA	76%		20-150%
	13C4-PFHpA	76%		20-150%
	13C8-PFOA	80%		20-150%
	13C9-PFNA	77%		20-150%
	13C6-PFDA	75%		20-150%
	13C7-PFUnDA	77%		20-150%
	13C2-PFDoDA	71%		20-150%
	13C2-PFTeDA	65%		20-150%
	13C3-PFBS	73%		20-150%
	13C3-PFHxS	75%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	70%		20-150%
	13C8-FOSA	70%		20-150%
	d3-MeFOSA	60%		20-150%
	d5-EtFOSA	54%		20-150%
	d3-MeFOSAA	79%		20-150%
	d5-EtFOSAA	78%		20-150%
	d7-MeFOSE	52%		20-150%
	d9-EtFOSE	49%		20-150%
	13C2-4:2FTS	85%		20-150%
	13C2-6:2FTS	92%		20-150%
	13C2-8:2FTS	67%		20-150%
	13C3-HFPO-DA	71%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SW
SED
WTB
WEB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

MN-031523-85 2

Page 1 of 2

Regulatory Program: 5899 1772 0061
SGS Quote #:
Bottle Order Control #:
SGS Job #: JD62642

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W Washington St
City / State / Zip: Syracuse NY
Project Contact / E-mail: R Trent
Phone #:
Client Purchase Order #: 1400102910
Sampler(s) Name(s) / Phone #: R Brady J Lombardi

Project Information

Project Name: Lyndon Road Landfill
Street:
City / State:
Project #:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-TB-032323		3/23/23	0900	RB	G	N	TB	2	2								2	
2	LR-EB-032323		3/23/23	1720	RB	G	N	EB	3					3					
~~LR-EB-032323~~																			
3	LR-SW1-032323			1000	RB	G	N	SW	16	3	1	1		11				HRB	
4	LR-SED1-032323			1115	RB	C	N	SED	9					6	1			4	
5	LR-SW2-032323			1300	RB	G	N	SW	5					5					
6	LR-SED2-032323			1315	RB	C	N	SED	4					4					
	LR-SW3-032323			1430					16	3	1	1		11					
7	LR-SW3-032323_MS			1430					16	3	1	1		11					
*	LR-SW3-032323_MSD			1430					16	3	1	1		11					
8	LR-SW4-032323			1650					5					5					
9	LR-SED4-032323			1710					4					4					

Analysis requested: VOC 8260 TCL 20+ SOL 104; VOC 8260 TCL 20+ ABN TCL SVOC PCB PEST TCL+N SOL 104; 8270 TCL DIOXAN SOL 104; LCID 1633 LIST 40; TOC LIK; VOC 8260 TCL 20+ ABN TCL SVOC PCB PEST TCL+N SOL 104 (MS/MSD); LCID 1633 LIST 40; LCID 1633 LIST 40; 8270 SIM 1,4 DIOX

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [x] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format NYSDEC Value 2

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

4x 200 mL RCB

Initial Assessment 3A JK

Label Verification:

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1		3/23/23 0Pm	Fed Ex
2	Fed Ex	3/24/23 10:00	
3			
4			
5			

Custody Seal #: ☐ Intact ☐ Not intact ☐ Absent

Therm ID: 40 On Ice ☐ See Sample Receipt Summary

Cooler Temp. °C: 4.7

3.3° 4.2 IR-40, 3.3

EHSA-QAC-0023-05 Rev. Date: 8/5/22

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JD62642

Client / Reporting Information
Company Name: Ramboll
Street Address: 333 W. Washington St
City State Zip
Project Contact E-mail
Phone #
Sampler(s) Name(s) Phone #

Project Information
Project Name:
Street
City State
Project #
Client Purchase Order #
Project Manager

Billing Information (if different from Report to)
Company Name
Street Address
City State Zip
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
	LR-SED3-032823			1545					9					6	2	1		4 1 1 2 1	
10	LR-SED3-032823-MS			1545					8					5	2	1		4 1 1 2	
	LR-SED3-032823-MSD			1545					8					5	2	1		4 1 1 2	

Turn Around Time (Business Days)
Approved By (SGS PM) / Date:
- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other
All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format NYSDEC Valid Values

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1	[illegible]	3/28/23 0800	Fed Ex
2	Fed Ex	3/29/23	0900
3			
4			
5			

Custody Seal # | Intact | Not intact | Absent
Therm ID: | See Sample Receipt Summary | On Ice | Cooler Temp. °C

EHSA-QAC-0023-05 Rev.Date:8/5/22

SGS Sample Receipt Summary

Job Number: JD62642 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - TEST TRENC

Date / Time Received: 3/24/2023 10:00:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.7); Cooler 2: (3.3); Cooler 3: (3.3); Cooler 4: (4.2);

Cooler Temps (Corrected) °C: Cooler 1: (4.5); Cooler 2: (3.1); Cooler 3: (3.1); Cooler 4: (4.0);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	4		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD62646

Sampling Date: 03/24/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **102**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD62646

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD62646-1	03/24/23	16:20	RB	03/25/23	AQ	Trip Blank Water	LR-TB-032423
	JD62646-2	03/24/23	11:00	RB	03/25/23	AQ	Equipment Blank	LR-EB-032423
*	JD62646-3	03/24/23	09:20	RB	03/25/23	AQ	Surface Water	LR-SW5-032423
	JD62646-3A	03/24/23	09:20	RB	03/25/23	AQ	Surface Water	LR-SW5-032423
*	JD62646-4	03/24/23	09:40	RB	03/25/23	SO	Sediment	LR-SED5-032423
	JD62646-4A	03/24/23	09:40	RB	03/25/23	SO	Sediment	LR-SED5-032423
*	JD62646-5	03/24/23	12:45	RB	03/25/23	AQ	Surface Water	LR-SW6-032423
	JD62646-5A	03/24/23	12:45	RB	03/25/23	AQ	Surface Water	LR-SW6-032423
*	JD62646-6	03/24/23	12:30	RB	03/25/23	SO	Sediment	LR-SED6-032423
	JD62646-6A	03/24/23	12:30	RB	03/25/23	SO	Sediment	LR-SED6-032423
*	JD62646-7	03/24/23	13:40	RB	03/25/23	AQ	Surface Water	LR-SW-INT-032423
	JD62646-7A	03/24/23	13:40	RB	03/25/23	AQ	Surface Water	LR-SW-INT-032423

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD62646

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD62646-8	03/24/23	00:00	RB	03/25/23	AQ	Surface Water	LR-DUP-032423
	JD62646-8A	03/24/23	00:00	RB	03/25/23	AQ	Surface Water	LR-DUP-032423
*	JD62646-9	03/24/23	00:00	RB	03/25/23	SO	Sediment	LR-DUP-032423
	JD62646-9A	03/24/23	00:00	RB	03/25/23	SO	Sediment	LR-DUP-032423
*	JD62646-10	03/24/23	14:20	RB	03/25/23	AQ	Surface Water	LR-SW7-032423
	JD62646-10A	03/24/23	14:20	RB	03/25/23	AQ	Surface Water	LR-SW7-032423
*	JD62646-11	03/24/23	15:10	RB	03/25/23	AQ	Surface Water	LR-SW8-032423
	JD62646-11A	03/24/23	15:10	RB	03/25/23	AQ	Surface Water	LR-SW8-032423
*	JD62646-12	03/24/23	15:20	RB	03/25/23	SO	Sediment	LR-SED8-032423
	JD62646-12A	03/24/23	15:20	RB	03/25/23	SO	Sediment	LR-SED8-032423
*	JD62646-13	03/24/23	16:10	RB	03/25/23	AQ	Surface Water	LR-SW9-032423
	JD62646-13A	03/24/23	16:10	RB	03/25/23	AQ	Surface Water	LR-SW9-032423
*	JD62646-14	03/24/23	16:00	RB	03/25/23	SO	Sediment	LR-SED9-032423

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD62646

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD62646-14A	03/24/23	16:00	RB	03/25/23	SO	Sediment	LR-SED9-032423
*	JD62646-15	03/24/23	10:50	RB	03/25/23	AQ	Ground Water	LR DRUMWC_032423

* The following report applies to these samples only (7 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-TB-032423		
Lab Sample ID:	JD62646-1	**Date Sampled:**	03/24/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D126550.D	1	04/03/23 15:31	BK	n/a	n/a	V4D5616
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane [b]	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TB-032423		
Lab Sample ID:	JD62646-1	**Date Sampled:**	03/24/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.39	9.4	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D126557.D	1	04/03/23 18:50	BK	n/a	n/a	V4D5616
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane [b]	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.43	67	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E121547.D	1	04/01/23 02:41	JY	03/31/23 08:30	OP45524	E3E5610
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	3.1	2.0	0.50	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		10-71%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	20%		10-58%
118-79-6	2,4,6-Tribromophenol	75%		22-144%
4165-60-0	Nitrobenzene-d5	70%		28-118%
321-60-8	2-Fluorobiphenyl	65%		34-116%
1718-51-0	Terphenyl-d14	64%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	5.83	4.6	ug/l	J
	Internal standard added for SIM test	7.69	4.5	ug/l	J
	Internal standard added for SIM test	10.91	4.8	ug/l	J
	Unknown	14.54	9.3	ug/l	J
	Internal standard added for SIM test	15.19	4.3	ug/l	J
	Total TIC, Semi-Volatile		9.3	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115253.D	1	04/03/23 14:57	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		23-127%
321-60-8	2-Fluorobiphenyl	65%		23-114%
1718-51-0	Terphenyl-d14	57%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4373.D	1	03/31/23 03:50	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.40	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.043	ug/l	
75-99-0	Dalapon	ND	0.080	0.060	ug/l	
1918-00-9	Dicamba	ND	0.080	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.40	0.16	ug/l	
88-85-7	Dinoseb	ND	0.40	0.16	ug/l	
94-74-6	MCPA [a]	ND	40	27	ug/l	
93-65-2	MCPP [a]	ND	40	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.080	0.041	ug/l	
94-82-6	2,4-DB	ND	0.40	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	30%		10-150%
19719-28-9	2,4-DCAA	41%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183854.D	1	03/29/23 02:34	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-175%
877-09-8	Tetrachloro-m-xylene	80%		10-175%
2051-24-3	Decachlorobiphenyl	69%		10-128%
2051-24-3	Decachlorobiphenyl	96%		10-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499309.D	1	03/29/23 04:04	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		10-169%
877-09-8	Tetrachloro-m-xylene	70%		10-169%
2051-24-3	Decachlorobiphenyl	58%		10-130%
2051-24-3	Decachlorobiphenyl	52%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	75200	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	251	100	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	24500	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	39.0	15	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	59700	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53941
(3) Prep QC Batch: MP38727
(4) Prep QC Batch: MP38772

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:46	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C182476.D	1	04/04/23 13:25	PS	n/a	n/a	V3C7986
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	0.0196	0.010	0.0041	mg/kg	
71-43-2	Benzene	ND	0.00050	0.00045	mg/kg	
74-97-5	Bromochloromethane	ND	0.0050	0.00056	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00043	mg/kg	
75-25-2	Bromoform	ND	0.0050	0.0014	mg/kg	
74-83-9	Bromomethane [b]	ND	0.0050	0.00076	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0024	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00053	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00062	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00046	mg/kg	
75-00-3	Chloroethane	ND	0.0050	0.00059	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00052	mg/kg	
74-87-3	Chloromethane	ND	0.0050	0.0020	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00065	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00069	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00056	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00042	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00054	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00049	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00049	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0050	0.00072	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00049	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00047	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00065	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00084	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00061	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00047	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00047	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00046	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00045	mg/kg	
76-13-1	Freon 113	ND	0.0050	0.0027	mg/kg	
591-78-6	2-Hexanone	ND	0.0050	0.0021	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.0014	mg/kg	
79-20-9	Methyl Acetate	0.0034	0.0050	0.0014	mg/kg	J
108-87-2	Methylcyclohexane	ND	0.0020	0.00087	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00047	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0050	0.0023	mg/kg	
75-09-2	Methylene chloride	ND	0.0050	0.0026	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00040	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00060	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00058	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00052	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0050	0.0025	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0050	0.0025	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00048	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00055	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00076	mg/kg	
75-69-4	Trichlorofluoromethane [b]	ND	0.0050	0.00068	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00048	mg/kg	
	m,p-Xylene	ND	0.0010	0.00089	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00046	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-124%
17060-07-0	1,2-Dichloroethane-D4	100%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	97%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits high.
(b) Associated CCV outside of control limits low. No sensitivity check provided.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED5-032423
Lab Sample ID: JD62646-4
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 74.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163249.D	1	03/30/23 16:21	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.086	0.021	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.22	0.026	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.22	0.037	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.22	0.077	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.22	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.22	0.046	mg/kg	
95-48-7	2-Methylphenol	ND	0.086	0.028	mg/kg	
	3&4-Methylphenol	ND	0.086	0.036	mg/kg	
88-75-5	2-Nitrophenol	ND	0.22	0.029	mg/kg	
100-02-7	4-Nitrophenol	ND	0.43	0.12	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.041	mg/kg	
108-95-2	Phenol	ND	0.086	0.023	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.22	0.029	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.22	0.032	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.22	0.026	mg/kg	
83-32-9	Acenaphthene	ND	0.043	0.015	mg/kg	
208-96-8	Acenaphthylene	ND	0.043	0.022	mg/kg	
98-86-2	Acetophenone	ND	0.22	0.0093	mg/kg	
120-12-7	Anthracene	ND	0.043	0.026	mg/kg	
1912-24-9	Atrazine	ND	0.086	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.043	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.043	0.020	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.043	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.043	0.022	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.043	0.020	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.086	0.017	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.086	0.011	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.086	0.0059	mg/kg	
100-52-7	Benzaldehyde	ND	0.22	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.086	0.010	mg/kg	
106-47-8	4-Chloroaniline	ND	0.22	0.016	mg/kg	
86-74-8	Carbazole	ND	0.086	0.0063	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED5-032423
Lab Sample ID: JD62646-4
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 74.9

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.086	0.017	mg/kg	
218-01-9	Chrysene	ND	0.043	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.086	0.0092	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.086	0.019	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.086	0.016	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.086	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.043	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.043	0.022	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.086	0.036	mg/kg	
123-91-1	1,4-Dioxane	ND	0.043	0.029	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.043	0.019	mg/kg	
132-64-9	Dibenzofuran	ND	0.086	0.018	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.086	0.0070	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.086	0.011	mg/kg	
84-66-2	Diethyl phthalate	ND	0.086	0.0092	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.086	0.0077	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.086	0.010	mg/kg	
206-44-0	Fluoranthene	ND	0.043	0.019	mg/kg	
86-73-7	Fluorene	ND	0.043	0.020	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.086	0.011	mg/kg	
87-68-3	Hexachlorobutadiene [a]	ND	0.043	0.017	mg/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	0.43	0.017	mg/kg	
67-72-1	Hexachloroethane	ND	0.22	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.043	0.020	mg/kg	
78-59-1	Isophorone	ND	0.086	0.0092	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.043	0.0098	mg/kg	
88-74-4	2-Nitroaniline	ND	0.22	0.010	mg/kg	
99-09-2	3-Nitroaniline	ND	0.22	0.011	mg/kg	
100-01-6	4-Nitroaniline [b]	ND	0.22	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.043	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.086	0.017	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.086	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.22	0.016	mg/kg	
85-01-8	Phenanthrene	ND	0.043	0.015	mg/kg	
129-00-0	Pyrene	ND	0.043	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.22	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	74%		10-96%
118-79-6	2,4,6-Tribromophenol	114%		10-123%
4165-60-0	Nitrobenzene-d5	90%		10-109%
321-60-8	2-Fluorobiphenyl	89%		11-109%
1718-51-0	Terphenyl-d14	91%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.56	.23	mg/kg	J
	system artifact/aldol-condensation	3.61	.22	mg/kg	J
	system artifact	4.33	.37	mg/kg	J
	unknown	4.99	.19	mg/kg	J
	unknown acid	9.46	.45	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.52	.43	mg/kg	JN
	unknown acid	10.56	.18	mg/kg	J
	Sitosterol	16.69	.34	mg/kg	J
	Total TIC, Semi-Volatile		1.59	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED5-032423
Lab Sample ID: JD62646-4
Matrix: SO - Sediment
Method: SW846 8151A SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 74.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165790.D	1	03/30/23 21:56	RK	03/29/23 14:00	OP45519	GOA5863
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.020	0.011	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0041	0.0023	mg/kg	
93-76-5	2,4,5-T	ND	0.0041	0.0020	mg/kg	
75-99-0	Dalapon	ND	0.0041	0.0025	mg/kg	
1918-00-9	Dicamba	ND	0.0041	0.0021	mg/kg	
120-36-5	Dichloroprop	ND	0.020	0.011	mg/kg	
88-85-7	Dinoseb	ND	0.020	0.013	mg/kg	
94-74-6	MCPA	ND	2.0	1.1	mg/kg	
93-65-2	MCPP	ND	2.0	1.7	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0020	0.00066	mg/kg	
94-82-6	2,4-DB	ND	0.020	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	57%		10-138%
19719-28-9	2,4-DCAA	68%		10-138%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED5-032423
Lab Sample ID: JD62646-4
Matrix: SO - Sediment
Method: SW846 8081B SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 74.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G90006.D	1	04/06/23 04:05	CP	03/30/23 14:00	OP45513	G6G3264
Run #2	6G89877.D	1	04/01/23 08:56	RK	03/30/23 14:00	OP45513	G6G3259

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2	15.7 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00085	0.00070	mg/kg	
319-84-6	alpha-BHC	ND	0.00085	0.00069	mg/kg	
319-85-7	beta-BHC	ND [a]	0.00085	0.00077	mg/kg	
319-86-8	delta-BHC	ND	0.00085	0.00082	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00085	0.00063	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00085	0.00069	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00085	0.00039	mg/kg	
60-57-1	Dieldrin	ND	0.00085	0.00058	mg/kg	
72-54-8	4,4'-DDD	ND	0.00085	0.00078	mg/kg	
72-55-9	4,4'-DDE	ND	0.00085	0.00075	mg/kg	
50-29-3	4,4'-DDT	ND [a]	0.00085	0.00075	mg/kg	
72-20-8	Endrin	ND	0.00085	0.00066	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00085	0.00066	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00085	0.00048	mg/kg	
959-98-8	Endosulfan-I	ND	0.00085	0.00049	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00085	0.00053	mg/kg	
76-44-8	Heptachlor	ND	0.00085	0.00073	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00085	0.00060	mg/kg	
72-43-5	Methoxychlor	ND	0.0017	0.00068	mg/kg	
53494-70-5	Endrin ketone	ND	0.00085	0.00061	mg/kg	
8001-35-2	Toxaphene	ND	0.021	0.020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	123%	100%	13-162%
877-09-8	Tetrachloro-m-xylene	74%	74%	13-162%
2051-24-3	Decachlorobiphenyl	63%	64%	10-180%
2051-24-3	Decachlorobiphenyl	89%	91%	10-180%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED5-032423
Lab Sample ID: JD62646-4
Matrix: SO - Sediment
Method: SW846 8082A SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 74.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499440.D	1	03/31/23 11:14	MLC	03/30/23 14:00	OP45514	GXX8135
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.044	0.020	mg/kg	
11104-28-2	Aroclor 1221	ND	0.044	0.027	mg/kg	
11141-16-5	Aroclor 1232	ND	0.044	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.044	0.018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.044	0.039	mg/kg	
11097-69-1	Aroclor 1254	ND	0.044	0.024	mg/kg	
11096-82-5	Aroclor 1260	ND	0.044	0.019	mg/kg	
11100-14-4	Aroclor 1268	ND	0.044	0.019	mg/kg	
37324-23-5	Aroclor 1262	ND	0.044	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	51%		10-174%
877-09-8	Tetrachloro-m-xylene	52%		10-174%
2051-24-3	Decachlorobiphenyl	50%		10-195%
2051-24-3	Decachlorobiphenyl	49%		10-195%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
		Percent Solids:	74.9
Project:	Lyndon Road Landfill		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7150	43	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 1.7	1.7	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	3.0	1.7	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	33.1	17	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.34	0.17	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.43	0.43	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	27000	870	mg/kg	2	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	11.1	0.87	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	5.1	4.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	14.4	2.2	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	14100	43	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	6.9	1.7	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	8790	430	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	244	1.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.041	0.041	mg/kg	1	03/30/23	03/31/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	11.5	3.5	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	1330	870	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 1.7	1.7	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.43	0.43	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 870	870	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 0.87	0.87	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	16.9	4.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	40.6	4.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53929
(2) Instrument QC Batch: MA53938
(3) Instrument QC Batch: MA53941
(4) Prep QC Batch: MP38708
(5) Prep QC Batch: MP38741

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
		Percent Solids:	74.9
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.29	0.29	mg/kg	1	03/29/23 12:24	MM	SW846 9012B/LACHAT
Solids, Percent	74.9		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	9560	130	mg/kg	1	03/28/23 16:15	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW6-032423		
Lab Sample ID:	JD62646-5	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115254.D	2	04/03/23 15:19	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.20	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		23-127%
321-60-8	2-Fluorobiphenyl	51%		23-114%
1718-51-0	Terphenyl-d14	40%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED6-032423
Lab Sample ID: JD62646-6
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 32.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163250.D	1	03/30/23 16:45	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.068	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		10-109%
321-60-8	2-Fluorobiphenyl	78%		11-109%
1718-51-0	Terphenyl-d14	80%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED6-032423		
Lab Sample ID:	JD62646-6	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
		Percent Solids:	32.1
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	32.1		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	163000	310	mg/kg	1	03/28/23 16:40	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D187640.D	1	04/04/23 18:28	PS	n/a	n/a	V3D7892
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	13.0	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	109%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW-INT-032423
Lab Sample ID: JD62646-7
Matrix: AQ - Surface Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR1301.D	1	04/03/23 11:56	KH	03/31/23 08:30	OP45524	ECR51
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol [b]	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	0.19	1.0	0.19	ug/l	J
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate [a]	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	4.2	2.0	0.50	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene [b]	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		10-71%

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Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	21%		10-58%
118-79-6	2,4,6-Tribromophenol	80%		22-144%
4165-60-0	Nitrobenzene-d5	63%		28-118%
321-60-8	2-Fluorobiphenyl	61%		34-116%
1718-51-0	Terphenyl-d14	47%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	2.40	8.3	ug/l	J
	unknown	2.54	7.1	ug/l	J
	Internal standard added for SIM test	3.50	4.1	ug/l	J
	Internal standard added for SIM test	4.54	4.6	ug/l	J
85-41-6	Phthalimide	5.09	7.1	ug/l	JN
	Internal standard added for SIM test	5.56	4.8	ug/l	J
	Internal standard added for SIM test	7.41	6	ug/l	J
	unknown	9.47	6.5	ug/l	J
	unknown	9.82	4.1	ug/l	J
	unknown	10.47	9.1	ug/l	J
	unknown	10.85	8.7	ug/l	J
	Total TIC, Semi-Volatile		50.9	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115255.D	1	04/03/23 15:41	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.262	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		23-127%
321-60-8	2-Fluorobiphenyl	62%		23-114%
1718-51-0	Terphenyl-d14	41%		10-121%

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4374.D	1	03/31/23 04:12	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND	41	28	ug/l	
93-65-2	MCPP [a]	ND	41	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	37%		10-150%
19719-28-9	2,4-DCAA	37%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183855.D	1	03/29/23 02:51	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	28%		10-175%
877-09-8	Tetrachloro-m-xylene	29%		10-175%
2051-24-3	Decachlorobiphenyl	24%		10-128%
2051-24-3	Decachlorobiphenyl	30%		10-128%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499314.D	1	03/29/23 05:30	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	28%		10-169%
877-09-8	Tetrachloro-m-xylene	27%		10-169%
2051-24-3	Decachlorobiphenyl	21%		10-130%
2051-24-3	Decachlorobiphenyl	20%		10-130%

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RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Barium	958	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	196000	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	29300	100	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Lead	18.2	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Magnesium	51800	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	1020	15	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	67200	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	57.8	20	ug/l	1	04/04/23	04/05/23	ND	SW846 6010D [3]	SW846 3010A [6]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53941
(3) Instrument QC Batch: MA53961
(4) Prep QC Batch: MP38727
(5) Prep QC Batch: MP38772
(6) Prep QC Batch: MP38816

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:46	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D126559.D	1	04/03/23 19:47	BK	n/a	n/a	V4D5616
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane [b]	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.43	73	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-8
Matrix: AQ - Surface Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR1302.D	1	04/03/23 12:13	KH	03/31/23 08:30	OP45524	ECR51
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol [b]	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate [a]	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	2.6	2.0	0.50	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene [b]	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-71%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%		10-58%
118-79-6	2,4,6-Tribromophenol	91%		22-144%
4165-60-0	Nitrobenzene-d5	67%		28-118%
321-60-8	2-Fluorobiphenyl	65%		34-116%
1718-51-0	Terphenyl-d14	68%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	3.50	4.1	ug/l	J
	Internal standard added for SIM test	4.54	4.9	ug/l	J
	Internal standard added for SIM test	5.56	4.6	ug/l	J
	Internal standard added for SIM test	7.41	4.5	ug/l	J
	unknown	9.47	6.8	ug/l	J
	Internal standard added for SIM test	10.06	6	ug/l	J
	unknown	11.02	4.7	ug/l	J
	Total TIC, Semi-Volatile		11.5	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115256.D	1	04/03/23 16:02	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		23-127%
321-60-8	2-Fluorobiphenyl	64%		23-114%
1718-51-0	Terphenyl-d14	60%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4375.D	1	03/31/23 04:33	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND	41	28	ug/l	
93-65-2	MCPP [a]	ND	41	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	79%		10-150%
19719-28-9	2,4-DCAA	85%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183856.D	1	03/29/23 03:08	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	265 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0075	0.0039	ug/l	
319-84-6	alpha-BHC	ND	0.0075	0.0039	ug/l	
319-85-7	beta-BHC	ND	0.0075	0.0060	ug/l	
319-86-8	delta-BHC	ND	0.0075	0.0050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0075	0.0045	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0075	0.0037	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0075	0.0032	ug/l	
60-57-1	Dieldrin	ND	0.0075	0.0058	ug/l	
72-54-8	4,4'-DDD	ND	0.0075	0.0043	ug/l	
72-55-9	4,4'-DDE	ND	0.0075	0.0038	ug/l	
50-29-3	4,4'-DDT	ND	0.0075	0.0052	ug/l	
72-20-8	Endrin	ND	0.0075	0.0046	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0075	0.0041	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0075	0.0051	ug/l	
53494-70-5	Endrin ketone	ND	0.0075	0.0047	ug/l	
959-98-8	Endosulfan-I	ND	0.0075	0.0040	ug/l	
33213-65-9	Endosulfan-II	ND	0.0075	0.0037	ug/l	
76-44-8	Heptachlor	ND	0.0075	0.0034	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0075	0.0045	ug/l	
72-43-5	Methoxychlor	ND	0.015	0.0051	ug/l	
8001-35-2	Toxaphene	ND	0.19	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		10-175%
877-09-8	Tetrachloro-m-xylene	74%		10-175%
2051-24-3	Decachlorobiphenyl	72%		10-128%
2051-24-3	Decachlorobiphenyl	99%		10-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499315.D	1	03/29/23 05:47	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	265 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.38	0.15	ug/l	
11104-28-2	Aroclor 1221	ND	0.38	0.32	ug/l	
11141-16-5	Aroclor 1232	ND	0.38	0.20	ug/l	
53469-21-9	Aroclor 1242	ND	0.38	0.17	ug/l	
12672-29-6	Aroclor 1248	ND	0.38	0.095	ug/l	
11097-69-1	Aroclor 1254	ND	0.38	0.31	ug/l	
11096-82-5	Aroclor 1260	ND	0.38	0.11	ug/l	
11100-14-4	Aroclor 1268	ND	0.38	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.38	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		10-169%
877-09-8	Tetrachloro-m-xylene	70%		10-169%
2051-24-3	Decachlorobiphenyl	66%		10-130%
2051-24-3	Decachlorobiphenyl	60%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	83500	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	257	100	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	27300	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	44.4	15	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	66300	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53941
(3) Prep QC Batch: MP38727
(4) Prep QC Batch: MP38772

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:49	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C182477.D	1	04/04/23 13:51	PS	n/a	n/a	V3C7986
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	0.0620	0.013	0.0053	mg/kg	
71-43-2	Benzene	ND	0.00064	0.00058	mg/kg	
74-97-5	Bromochloromethane	ND	0.0064	0.00071	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0025	0.00055	mg/kg	
75-25-2	Bromoform	ND	0.0064	0.0017	mg/kg	
74-83-9	Bromomethane [b]	ND	0.0064	0.00097	mg/kg	
78-93-3	2-Butanone (MEK)	0.0061	0.013	0.0031	mg/kg	J
75-15-0	Carbon disulfide	ND	0.0025	0.00068	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0025	0.00079	mg/kg	
108-90-7	Chlorobenzene	ND	0.0025	0.00058	mg/kg	
75-00-3	Chloroethane	ND	0.0064	0.00075	mg/kg	
67-66-3	Chloroform	ND	0.0025	0.00066	mg/kg	
74-87-3	Chloromethane	ND	0.0064	0.0025	mg/kg	
110-82-7	Cyclohexane	ND	0.0025	0.00084	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0025	0.00088	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0025	0.00071	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0013	0.00054	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0013	0.00070	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0013	0.00063	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0013	0.00063	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0064	0.00093	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0013	0.00063	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0013	0.00060	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0013	0.00083	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0013	0.0011	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0013	0.00078	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0025	0.00060	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0025	0.00060	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0025	0.00058	mg/kg	
100-41-4	Ethylbenzene	ND	0.0013	0.00058	mg/kg	
76-13-1	Freon 113	ND	0.0064	0.0034	mg/kg	
591-78-6	2-Hexanone	ND	0.0064	0.0027	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0025	0.0018	mg/kg	
79-20-9	Methyl Acetate	0.0026	0.0064	0.0018	mg/kg	J
108-87-2	Methylcyclohexane	ND	0.0025	0.0011	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0013	0.00060	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0064	0.0029	mg/kg	
75-09-2	Methylene chloride	ND	0.0064	0.0033	mg/kg	
100-42-5	Styrene	ND	0.0025	0.00051	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0025	0.00076	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0025	0.00074	mg/kg	
108-88-3	Toluene	ND	0.0013	0.00067	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0064	0.0032	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0064	0.0032	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0025	0.00061	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0025	0.00071	mg/kg	
79-01-6	Trichloroethene	ND	0.0013	0.00097	mg/kg	
75-69-4	Trichlorofluoromethane [b]	ND	0.0064	0.00087	mg/kg	
75-01-4	Vinyl chloride	ND	0.0025	0.00061	mg/kg	
	m,p-Xylene	ND	0.0013	0.0011	mg/kg	
95-47-6	o-Xylene	ND	0.0013	0.00058	mg/kg	
1330-20-7	Xylene (total)	ND	0.0013	0.00058	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	101%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	97%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits high.
(b) Associated CCV outside of control limits low. No sensitivity check provided.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-9
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 77.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163251.D	1	03/30/23 17:10	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.085	0.021	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.026	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.036	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.076	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.21	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.21	0.046	mg/kg	
95-48-7	2-Methylphenol	ND	0.085	0.027	mg/kg	
	3&4-Methylphenol	ND	0.085	0.035	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.028	mg/kg	
100-02-7	4-Nitrophenol	ND	0.43	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.040	mg/kg	
108-95-2	Phenol	ND	0.085	0.022	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.028	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.032	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.025	mg/kg	
83-32-9	Acenaphthene	ND	0.043	0.015	mg/kg	
208-96-8	Acenaphthylene	ND	0.043	0.022	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0092	mg/kg	
120-12-7	Anthracene	ND	0.043	0.026	mg/kg	
1912-24-9	Atrazine	ND	0.085	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.043	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.043	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.043	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.043	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.043	0.020	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.085	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.085	0.010	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.085	0.0058	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.085	0.010	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.015	mg/kg	
86-74-8	Carbazole	ND	0.085	0.0062	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.085	0.017	mg/kg	
218-01-9	Chrysene	ND	0.043	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.085	0.0091	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.085	0.018	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.085	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.085	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.043	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.043	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.085	0.036	mg/kg	
123-91-1	1,4-Dioxane	ND	0.043	0.028	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.043	0.019	mg/kg	
132-64-9	Dibenzofuran	ND	0.085	0.017	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.085	0.0069	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.085	0.011	mg/kg	
84-66-2	Diethyl phthalate	ND	0.085	0.0091	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.085	0.0076	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.085	0.010	mg/kg	
206-44-0	Fluoranthene	ND	0.043	0.019	mg/kg	
86-73-7	Fluorene	ND	0.043	0.020	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.085	0.011	mg/kg	
87-68-3	Hexachlorobutadiene [a]	ND	0.043	0.017	mg/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	0.43	0.017	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.043	0.020	mg/kg	
78-59-1	Isophorone	ND	0.085	0.0091	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.043	0.0096	mg/kg	
88-74-4	2-Nitroaniline	ND	0.21	0.010	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.011	mg/kg	
100-01-6	4-Nitroaniline [b]	ND	0.21	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.043	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.085	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.085	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.016	mg/kg	
85-01-8	Phenanthrene	ND	0.043	0.014	mg/kg	
129-00-0	Pyrene	ND	0.043	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	67%		10-96%
118-79-6	2,4,6-Tribromophenol	102%		10-123%
4165-60-0	Nitrobenzene-d5	80%		10-109%
321-60-8	2-Fluorobiphenyl	78%		11-109%
1718-51-0	Terphenyl-d14	81%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.56	.19	mg/kg	J
	System artifact/aldol-condensation	3.61	.21	mg/kg	J
	system artifact	4.33	.32	mg/kg	J
	Unknown	9.41	.22	mg/kg	J
	Unknown	9.46	.42	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.52	.53	mg/kg	JN
	Unknown	13.48	.99	mg/kg	J
	Unknown	13.54	.4	mg/kg	J
	Unknown	13.76	.71	mg/kg	J
	Unknown	13.89	.26	mg/kg	J
	Unknown	14.22	.24	mg/kg	J
	Alkane	14.48	.42	mg/kg	J
	Unknown	15.13	.17	mg/kg	J
	Alkane	15.37	.4	mg/kg	J
	Unknown	15.41	.2	mg/kg	J
	Unknown	15.48	.27	mg/kg	J
59-02-9	Vitamin E	15.58	.22	mg/kg	JN
	Sitosterol	16.69	.59	mg/kg	J
	Total TIC, Semi-Volatile		6.04	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-9
Matrix: SO - Sediment
Method: SW846 8151A SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 77.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165791.D	1	03/30/23 22:20	RK	03/29/23 14:00	OP45519	GOA5863
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.022	0.012	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0043	0.0024	mg/kg	
93-76-5	2,4,5-T	ND	0.0043	0.0021	mg/kg	
75-99-0	Dalapon	ND	0.0043	0.0026	mg/kg	
1918-00-9	Dicamba	ND	0.0043	0.0022	mg/kg	
120-36-5	Dichloroprop	ND	0.022	0.012	mg/kg	
88-85-7	Dinoseb	ND	0.022	0.014	mg/kg	
94-74-6	MCPA	ND	2.2	1.2	mg/kg	
93-65-2	MCPP	ND	2.2	1.8	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0022	0.00070	mg/kg	
94-82-6	2,4-DB	ND	0.022	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	29%		10-138%
19719-28-9	2,4-DCAA	47%		10-138%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-9
Matrix: SO - Sediment
Method: SW846 8081B SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 77.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G90007.D	1	04/06/23 04:23	CP	03/30/23 14:00	OP45513	G6G3264
Run #2	6G89878.D	1	04/01/23 09:13	RK	03/30/23 14:00	OP45513	G6G3259

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2	16.0 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00081	0.00067	mg/kg	
319-84-6	alpha-BHC	ND	0.00081	0.00066	mg/kg	
319-85-7	beta-BHC	ND [a]	0.00081	0.00073	mg/kg	
319-86-8	delta-BHC	ND	0.00081	0.00078	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00081	0.00060	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00081	0.00066	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00081	0.00037	mg/kg	
60-57-1	Dieldrin	ND	0.00081	0.00056	mg/kg	
72-54-8	4,4'-DDD	ND	0.00081	0.00075	mg/kg	
72-55-9	4,4'-DDE	ND [a]	0.00081	0.00071	mg/kg	
50-29-3	4,4'-DDT	ND [a]	0.00081	0.00072	mg/kg	
72-20-8	Endrin	ND	0.00081	0.00063	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00081	0.00063	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00081	0.00046	mg/kg	
959-98-8	Endosulfan-I	ND	0.00081	0.00047	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00081	0.00051	mg/kg	
76-44-8	Heptachlor	ND	0.00081	0.00070	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00081	0.00057	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00065	mg/kg	
53494-70-5	Endrin ketone	ND	0.00081	0.00059	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	39%	40%	13-162%
877-09-8	Tetrachloro-m-xylene	43%	44%	13-162%
2051-24-3	Decachlorobiphenyl	30%	34%	10-180%
2051-24-3	Decachlorobiphenyl	52%	53%	10-180%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-9
Matrix: SO - Sediment
Method: SW846 8082A SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 77.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499441.D	1	03/31/23 11:31	MLC	03/30/23 14:00	OP45514	GXX8135
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.041	0.019	mg/kg	
11104-28-2	Aroclor 1221	ND	0.041	0.025	mg/kg	
11141-16-5	Aroclor 1232	ND	0.041	0.026	mg/kg	
53469-21-9	Aroclor 1242	ND	0.041	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.041	0.036	mg/kg	
11097-69-1	Aroclor 1254	ND	0.041	0.022	mg/kg	
11096-82-5	Aroclor 1260	ND	0.041	0.017	mg/kg	
11100-14-4	Aroclor 1268	ND	0.041	0.017	mg/kg	
37324-23-5	Aroclor 1262	ND	0.041	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		10-174%
877-09-8	Tetrachloro-m-xylene	89%		10-174%
2051-24-3	Decachlorobiphenyl	82%		10-195%
2051-24-3	Decachlorobiphenyl	82%		10-195%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-9
Matrix: SO - Sediment
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 77.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5840	44	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 1.8	1.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	2.0	1.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	26.6	18	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.28	0.18	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.44	0.44	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	20000	890	mg/kg	2	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	8.7	0.89	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 4.4	4.4	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	10.4	2.2	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	10700	44	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	5.5	1.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	6840	440	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	179	1.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.039	0.039	mg/kg	1	03/30/23	03/31/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	9.1	3.6	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	1130	890	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 1.8	1.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.44	0.44	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 890	890	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 0.89	0.89	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	12.9	4.4	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	33.4	4.4	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53929
(2) Instrument QC Batch: MA53938
(3) Instrument QC Batch: MA53941
(4) Prep QC Batch: MP38708
(5) Prep QC Batch: MP38741

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
		Percent Solids:	77.0
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.31	0.31	mg/kg	1	03/29/23 12:24	MM	SW846 9012B/LACHAT
Solids, Percent	77		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW7-032423		
Lab Sample ID:	JD62646-10	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115257.D	1	04/03/23 16:24	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		23-127%
321-60-8	2-Fluorobiphenyl	61%		23-114%
1718-51-0	Terphenyl-d14	55%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW8-032423		
Lab Sample ID:	JD62646-11	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115258.D	1	04/03/23 16:46	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		23-127%
321-60-8	2-Fluorobiphenyl	65%		23-114%
1718-51-0	Terphenyl-d14	60%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED8-032423
Lab Sample ID: JD62646-12
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 76.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163252.D	1	03/30/23 17:34	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.041	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		10-109%
321-60-8	2-Fluorobiphenyl	81%		11-109%
1718-51-0	Terphenyl-d14	80%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED8-032423		
Lab Sample ID:	JD62646-12	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
		Percent Solids:	76.9
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	76.9		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	9020	130	mg/kg	1	03/28/23 16:53	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D126560.D	1	04/03/23 20:16	BK	n/a	n/a	V4D5616
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane [b]	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.43	68	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW9-032423
Lab Sample ID: JD62646-13
Matrix: AQ - Surface Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR1303.D	1	04/03/23 12:30	KH	03/31/23 08:30	OP45524	ECR51
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol [b]	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate [c]	0.57	2.1	0.48	ug/l	J
92-52-4	1,1'-Biphenyl	ND	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND	1.1	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	2.7	2.1	0.52	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene [b]	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	ND	1.1	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.18	ug/l	
129-00-0	Pyrene	ND	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	25%		10-71%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	17%		10-58%
118-79-6	2,4,6-Tribromophenol	76%		22-144%
4165-60-0	Nitrobenzene-d5	71%		28-118%
321-60-8	2-Fluorobiphenyl	69%		34-116%
1718-51-0	Terphenyl-d14	58%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	2.40	8.1	ug/l	J
	unknown	2.54	6.8	ug/l	J
	Internal standard added for SIM test	3.50	4.3	ug/l	J
	Internal standard added for SIM test	4.54	4.7	ug/l	J
	Internal standard added for SIM test	5.56	4.8	ug/l	J
	Internal standard added for SIM test	7.41	4.8	ug/l	J
	unknown	9.47	11	ug/l	J
	Internal standard added for SIM test	10.06	4.7	ug/l	J
	Total TIC, Semi-Volatile		25.9	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(c) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115259.D	1	04/03/23 17:08	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.11	0.053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		23-127%
321-60-8	2-Fluorobiphenyl	71%		23-114%
1718-51-0	Terphenyl-d14	52%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4376.D	1	03/31/23 04:55	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.40	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.043	ug/l	
75-99-0	Dalapon	ND	0.080	0.060	ug/l	
1918-00-9	Dicamba	ND	0.080	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.40	0.16	ug/l	
88-85-7	Dinoseb	ND	0.40	0.16	ug/l	
94-74-6	MCPA [a]	ND	40	27	ug/l	
93-65-2	MCPP [a]	ND	40	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.080	0.041	ug/l	
94-82-6	2,4-DB	ND	0.40	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	31%		10-150%
19719-28-9	2,4-DCAA	51%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183857.D	1	03/29/23 03:25	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	260 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0077	0.0040	ug/l	
319-84-6	alpha-BHC	ND	0.0077	0.0040	ug/l	
319-85-7	beta-BHC	ND	0.0077	0.0061	ug/l	
319-86-8	delta-BHC	ND	0.0077	0.0051	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0077	0.0046	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0077	0.0038	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0077	0.0033	ug/l	
60-57-1	Dieldrin	ND	0.0077	0.0059	ug/l	
72-54-8	4,4'-DDD	ND	0.0077	0.0044	ug/l	
72-55-9	4,4'-DDE	ND	0.0077	0.0039	ug/l	
50-29-3	4,4'-DDT	ND	0.0077	0.0053	ug/l	
72-20-8	Endrin	ND	0.0077	0.0047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0077	0.0042	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0077	0.0052	ug/l	
53494-70-5	Endrin ketone	ND	0.0077	0.0048	ug/l	
959-98-8	Endosulfan-I	ND	0.0077	0.0041	ug/l	
33213-65-9	Endosulfan-II	ND	0.0077	0.0038	ug/l	
76-44-8	Heptachlor	ND	0.0077	0.0035	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0077	0.0046	ug/l	
72-43-5	Methoxychlor	ND	0.015	0.0052	ug/l	
8001-35-2	Toxaphene	ND	0.19	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		10-175%
877-09-8	Tetrachloro-m-xylene	109%		10-175%
2051-24-3	Decachlorobiphenyl	90%		10-128%
2051-24-3	Decachlorobiphenyl	121%		10-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499316.D	1	03/29/23 06:04	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	260 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.38	0.15	ug/l	
11104-28-2	Aroclor 1221	ND	0.38	0.32	ug/l	
11141-16-5	Aroclor 1232	ND	0.38	0.20	ug/l	
53469-21-9	Aroclor 1242	ND	0.38	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.38	0.097	ug/l	
11097-69-1	Aroclor 1254	ND	0.38	0.32	ug/l	
11096-82-5	Aroclor 1260	ND	0.38	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.38	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.38	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		10-169%
877-09-8	Tetrachloro-m-xylene	70%		10-169%
2051-24-3	Decachlorobiphenyl	58%		10-130%
2051-24-3	Decachlorobiphenyl	54%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	81500	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	1650	100	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	3.8	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	25700	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	124	15	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	67600	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53941
(3) Prep QC Batch: MP38727
(4) Prep QC Batch: MP38772

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:50	MM	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	I249331.D	1	04/05/23 17:09	CL	n/a	n/a	VI10124
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.136	0.043	0.018	mg/kg	
71-43-2	Benzene	ND	0.0021	0.0020	mg/kg	
74-97-5	Bromochloromethane	ND	0.021	0.0024	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0086	0.0018	mg/kg	
75-25-2	Bromoform	ND	0.021	0.0058	mg/kg	
74-83-9	Bromomethane	ND	0.021	0.0033	mg/kg	
78-93-3	2-Butanone (MEK)	0.0391	0.043	0.010	mg/kg	J
75-15-0	Carbon disulfide [b]	ND	0.0086	0.0023	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0086	0.0026	mg/kg	
108-90-7	Chlorobenzene	ND	0.0086	0.0020	mg/kg	
75-00-3	Chloroethane	ND	0.021	0.0025	mg/kg	
67-66-3	Chloroform	ND	0.0086	0.0022	mg/kg	
74-87-3	Chloromethane	ND	0.021	0.0084	mg/kg	
110-82-7	Cyclohexane	ND	0.0086	0.0028	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0086	0.0030	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0086	0.0024	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0043	0.0018	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0043	0.0023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0043	0.0021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0043	0.0021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.021	0.0031	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0043	0.0021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0043	0.0020	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0043	0.0028	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0043	0.0036	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0043	0.0026	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0086	0.0020	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0086	0.0020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0086	0.0020	mg/kg	
100-41-4	Ethylbenzene	ND	0.0043	0.0019	mg/kg	
76-13-1	Freon 113	ND	0.021	0.011	mg/kg	
591-78-6	2-Hexanone	ND	0.021	0.0091	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0086	0.0061	mg/kg	
79-20-9	Methyl Acetate	ND	0.021	0.0060	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0086	0.0038	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0043	0.0020	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.021	0.0097	mg/kg	
75-09-2	Methylene chloride	ND	0.021	0.011	mg/kg	
100-42-5	Styrene	ND	0.0086	0.0017	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane [b]	ND	0.0086	0.0026	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0086	0.0025	mg/kg	
108-88-3	Toluene	ND	0.0043	0.0023	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.021	0.011	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.021	0.011	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0086	0.0021	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0086	0.0024	mg/kg	
79-01-6	Trichloroethene	ND	0.0043	0.0033	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.021	0.0029	mg/kg	
75-01-4	Vinyl chloride	ND	0.0086	0.0021	mg/kg	
	m,p-Xylene	ND	0.0043	0.0038	mg/kg	
95-47-6	o-Xylene	ND	0.0043	0.0020	mg/kg	
1330-20-7	Xylene (total)	ND	0.0043	0.0020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-124%
17060-07-0	1,2-Dichloroethane-D4	108%		75-133%
2037-26-5	Toluene-D8	101%		79-125%
460-00-4	4-Bromofluorobenzene	103%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Sample analyzed from intact soil jar due to no DI vails available for reanalysis.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED9-032423
Lab Sample ID: JD62646-14
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 23.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163253.D	1	03/30/23 17:58	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.27	0.067	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.68	0.083	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.68	0.12	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.68	0.24	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.68	0.51	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.68	0.15	mg/kg	
95-48-7	2-Methylphenol	ND	0.27	0.087	mg/kg	
	3&4-Methylphenol	ND	0.27	0.11	mg/kg	
88-75-5	2-Nitrophenol	ND	0.68	0.090	mg/kg	
100-02-7	4-Nitrophenol	ND	1.4	0.36	mg/kg	
87-86-5	Pentachlorophenol	ND	0.54	0.13	mg/kg	
108-95-2	Phenol	ND	0.27	0.071	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.68	0.090	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.68	0.10	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.68	0.081	mg/kg	
83-32-9	Acenaphthene	ND	0.14	0.047	mg/kg	
208-96-8	Acenaphthylene	ND	0.14	0.069	mg/kg	
98-86-2	Acetophenone	ND	0.68	0.029	mg/kg	
120-12-7	Anthracene	ND	0.14	0.083	mg/kg	
1912-24-9	Atrazine	ND	0.27	0.058	mg/kg	
56-55-3	Benzo(a)anthracene	0.109	0.14	0.038	mg/kg	J
50-32-8	Benzo(a)pyrene	0.127	0.14	0.062	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.146	0.14	0.060	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.102	0.14	0.068	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.14	0.063	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.27	0.052	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.27	0.033	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.27	0.019	mg/kg	
100-52-7	Benzaldehyde	ND	0.68	0.034	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.27	0.032	mg/kg	
106-47-8	4-Chloroaniline	ND	0.68	0.049	mg/kg	
86-74-8	Carbazole	ND	0.27	0.020	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.27	0.054	mg/kg	
218-01-9	Chrysene	0.119	0.14	0.043	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.27	0.029	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.27	0.058	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.27	0.049	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.27	0.044	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.14	0.042	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.14	0.068	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.27	0.11	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	0.090	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.14	0.060	mg/kg	
132-64-9	Dibenzofuran	ND	0.27	0.055	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.27	0.022	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.27	0.034	mg/kg	
84-66-2	Diethyl phthalate	ND	0.27	0.029	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.27	0.024	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.27	0.032	mg/kg	
206-44-0	Fluoranthene	0.257	0.14	0.060	mg/kg	
86-73-7	Fluorene	ND	0.14	0.062	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.27	0.034	mg/kg	
87-68-3	Hexachlorobutadiene [a]	ND	0.14	0.054	mg/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	1.4	0.054	mg/kg	
67-72-1	Hexachloroethane	ND	0.68	0.067	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0984	0.14	0.064	mg/kg	J
78-59-1	Isophorone	ND	0.27	0.029	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.14	0.031	mg/kg	
88-74-4	2-Nitroaniline	ND	0.68	0.032	mg/kg	
99-09-2	3-Nitroaniline	ND	0.68	0.034	mg/kg	
100-01-6	4-Nitroaniline [b]	ND	0.68	0.035	mg/kg	
91-20-3	Naphthalene	ND	0.14	0.038	mg/kg	
98-95-3	Nitrobenzene	ND	0.27	0.052	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.27	0.039	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.68	0.050	mg/kg	
85-01-8	Phenanthrene	0.175	0.14	0.046	mg/kg	
129-00-0	Pyrene	0.228	0.14	0.043	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.68	0.034	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		10-99%

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	58%		10-96%
118-79-6	2,4,6-Tribromophenol	94%		10-123%
4165-60-0	Nitrobenzene-d5	74%		10-109%
321-60-8	2-Fluorobiphenyl	73%		11-109%
1718-51-0	Terphenyl-d14	76%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	3.61	1.8	mg/kg	J
	Unknown	8.34	4.8	mg/kg	J
	Unknown	8.56	2.5	mg/kg	J
	Unknown	9.41	2.5	mg/kg	J
	Unknown	9.46	1.3	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.52	3	mg/kg	JN
	Unknown	9.77	1.1	mg/kg	J
	Unknown	10.16	2.2	mg/kg	J
	Alkane	12.53	1.2	mg/kg	J
	Unknown	13.35	1.2	mg/kg	J
	Alkane	13.54	3.1	mg/kg	J
	Alkane	14.48	6.8	mg/kg	J
	Unknown	15.14	12	mg/kg	J
7616-22-0	.gamma.-Tocopherol.	15.23	1.3	mg/kg	JN
	alkane	15.37	4.2	mg/kg	J
	Unknown	15.41	1.7	mg/kg	J
	Unknown	15.48	1.3	mg/kg	J
59-02-9	Vitamin E	15.58	3	mg/kg	JN
	Stigmasterol	16.34	1	mg/kg	J
	Alkane	16.36	1.1	mg/kg	J
	Unknown	16.45	1.3	mg/kg	J
	Sitosterol	16.70	5.7	mg/kg	J
	Unknown	16.79	1.4	mg/kg	J
	Unknown	16.84	1.6	mg/kg	J
	Unknown	17.05	9.6	mg/kg	J
	Unknown	17.13	1.1	mg/kg	J
	Total TIC, Semi-Volatile		76	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165792.D	1	03/30/23 22:43	RK	03/29/23 14:00	OP45519	GOA5863
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.066	0.036	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.013	0.0074	mg/kg	
93-76-5	2,4,5-T	ND	0.013	0.0065	mg/kg	
75-99-0	Dalapon	ND	0.013	0.0080	mg/kg	
1918-00-9	Dicamba	ND	0.013	0.0068	mg/kg	
120-36-5	Dichloroprop	ND	0.066	0.035	mg/kg	
88-85-7	Dinoseb	ND	0.066	0.041	mg/kg	
94-74-6	MCPA	ND	6.6	3.6	mg/kg	
93-65-2	MCPP	ND	6.6	5.5	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0066	0.0021	mg/kg	
94-82-6	2,4-DB	ND	0.066	0.036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	311% [a]		10-138%
19719-28-9	2,4-DCAA	224% [a]		10-138%

(a) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED9-032423
Lab Sample ID: JD62646-14
Matrix: SO - Sediment
Method: SW846 8081B SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 23.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89976.D	1	04/05/23 07:15	AB	03/30/23 14:00	OP45513	G6G3263
Run #2	6G89879.D	1	04/01/23 09:31	RK	03/30/23 14:00	OP45513	G6G3259

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2	15.9 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0026	0.0022	mg/kg	
319-84-6	alpha-BHC	ND	0.0026	0.0021	mg/kg	
319-85-7	beta-BHC	ND	0.0026	0.0024	mg/kg	
319-86-8	delta-BHC	ND	0.0026	0.0025	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0026	0.0019	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.0026	0.0021	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.0026	0.0012	mg/kg	
60-57-1	Dieldrin [a]	0.0032 [b]	0.0026	0.0018	mg/kg	
72-54-8	4,4'-DDD	ND	0.0026	0.0024	mg/kg	
72-55-9	4,4'-DDE	ND	0.0026	0.0023	mg/kg	
50-29-3	4,4'-DDT	ND	0.0026	0.0023	mg/kg	
72-20-8	Endrin	ND	0.0026	0.0021	mg/kg	
1031-07-8	Endosulfan sulfate	ND [b]	0.0026	0.0021	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.0026	0.0015	mg/kg	
959-98-8	Endosulfan-I	ND	0.0026	0.0015	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0026	0.0016	mg/kg	
76-44-8	Heptachlor	ND	0.0026	0.0023	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0026	0.0019	mg/kg	
72-43-5	Methoxychlor	ND	0.0053	0.0021	mg/kg	
53494-70-5	Endrin ketone	ND	0.0026	0.0019	mg/kg	
8001-35-2	Toxaphene	ND	0.066	0.062	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%	78%	13-162%
877-09-8	Tetrachloro-m-xylene	86%	85%	13-162%
2051-24-3	Decachlorobiphenyl	56%	59%	10-180%
2051-24-3	Decachlorobiphenyl	106%	86%	10-180%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	XX2499517.D	1	04/03/23 22:33	RK	03/30/23 14:00	OP45514	GXX8137
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.13	0.062	mg/kg	
11104-28-2	Aroclor 1221	ND	0.13	0.082	mg/kg	
11141-16-5	Aroclor 1232	ND	0.13	0.084	mg/kg	
53469-21-9	Aroclor 1242	ND	0.13	0.054	mg/kg	
12672-29-6	Aroclor 1248	ND	0.13	0.12	mg/kg	
11097-69-1	Aroclor 1254	ND	0.13	0.071	mg/kg	
11096-82-5	Aroclor 1260	ND	0.13	0.056	mg/kg	
11100-14-4	Aroclor 1268	ND	0.13	0.056	mg/kg	
37324-23-5	Aroclor 1262	ND	0.13	0.086	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		10-174%
877-09-8	Tetrachloro-m-xylene	93%		10-174%
2051-24-3	Decachlorobiphenyl	84%		10-195%
2051-24-3	Decachlorobiphenyl	87%		10-195%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
		Percent Solids:	23.8
Project:	Lyndon Road Landfill		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5130	140	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 5.8	5.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 5.8	5.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	214	58	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.58	0.58	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 1.4	1.4	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	16600	1400	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	8.5	2.9	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 14	14	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	17.4	7.2	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	12500	140	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	204	5.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3880	1400	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	162	4.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.15	0.11	mg/kg	1	03/30/23	03/31/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	< 12	12	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 2900	2900	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 5.8	5.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 1.4	1.4	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 2900	2900	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 2.9	2.9	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	< 14	14	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	244	14	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA53929
(2) Instrument QC Batch: MA53938
(3) Prep QC Batch: MP38708
(4) Prep QC Batch: MP38741

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
		Percent Solids:	23.8
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.87	0.87	mg/kg	1	03/29/23 12:27	MM	SW846 9012B/LACHAT
Solids, Percent	23.8		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	116000	420	mg/kg	1	03/28/23 17:36	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR DRUMWC_032423		
Lab Sample ID:	JD62646-15	**Date Sampled:**	03/24/23
Matrix:	AQ - Ground Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G1621A.D	1	04/05/23 21:54	KD	n/a	n/a	V1G60
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	17.8	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	128	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	21.5	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR DRUMWC_032423		
Lab Sample ID:	JD62646-15	**Date Sampled:**	03/24/23
Matrix:	AQ - Ground Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	86.3	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	142	1.0	0.78	ug/l	
95-47-6	o-Xylene	46.7	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	189	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		80-120%
17060-07-0	1,2-Dichloroethane-D4	86%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR DRUMWC_032423
Lab Sample ID: JD62646-15
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR1304.D	1	04/03/23 12:48	KH	03/31/23 08:30	OP45524	ECR51
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	2.6	5.0	2.4	ug/l	J
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	0.92	2.0	0.89	ug/l	J
	3&4-Methylphenol	1.3	2.0	0.88	ug/l	J
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol [b]	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	0.40	2.0	0.39	ug/l	J
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	0.38	2.0	0.21	ug/l	J
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate [c]	0.61	2.0	0.46	ug/l	J
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR DRUMWC_032423		
Lab Sample ID:	JD62646-15	**Date Sampled:**	03/24/23
Matrix:	AQ - Ground Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	1.3	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	9.4	2.0	0.50	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene [b]	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	0.29	5.0	0.22	ug/l	J
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-71%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR DRUMWC_032423		
Lab Sample ID:	JD62646-15	**Date Sampled:**	03/24/23
Matrix:	AQ - Ground Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-58%
118-79-6	2,4,6-Tribromophenol	87%		22-144%
4165-60-0	Nitrobenzene-d5	70%		28-118%
321-60-8	2-Fluorobiphenyl	71%		34-116%
1718-51-0	Terphenyl-d14	51%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(c) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR DRUMWC_032423		
Lab Sample ID:	JD62646-15	**Date Sampled:**	03/24/23
Matrix:	AQ - Ground Water	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4386.D	1	03/31/23 14:22	MLC	03/30/23 12:00	OP45538	G9G233
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.25	0.12	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.050	0.031	ug/l	
93-76-5	2,4,5-T	ND	0.050	0.027	ug/l	
75-99-0	Dalapon	ND	0.050	0.038	ug/l	
1918-00-9	Dicamba	ND	0.050	0.016	ug/l	
120-36-5	Dichloroprop	ND	0.25	0.097	ug/l	
88-85-7	Dinoseb	ND	0.25	0.098	ug/l	
94-74-6	MCPA	ND	25	17	ug/l	
93-65-2	MCPP [a]	ND	25	16	ug/l	
87-86-5	Pentachlorophenol	ND	0.050	0.026	ug/l	
94-82-6	2,4-DB	ND	0.25	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	22%		10-150%
19719-28-9	2,4-DCAA	18%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR DRUMWC_032423		
Lab Sample ID:	JD62646-15	**Date Sampled:**	03/24/23
Matrix:	AQ - Ground Water	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89807.D	1	03/30/23 23:58	TP	03/29/23 15:00	OP45527	G6G3256
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		10-175%
877-09-8	Tetrachloro-m-xylene	75%		10-175%
2051-24-3	Decachlorobiphenyl	46%		10-128%
2051-24-3	Decachlorobiphenyl	66%		10-128%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR DRUMWC_032423		
Lab Sample ID:	JD62646-15	**Date Sampled:**	03/24/23
Matrix:	AQ - Ground Water	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G129394.D	1	03/31/23 03:40	CP	03/29/23 15:00	OP45528	G5G3296
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%		10-169%
877-09-8	Tetrachloro-m-xylene	59%		10-169%
2051-24-3	Decachlorobiphenyl	44%		10-130%
2051-24-3	Decachlorobiphenyl	42%		10-130%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR DRUMWC_032423		
Lab Sample ID:	JD62646-15	**Date Sampled:**	03/24/23
Matrix:	AQ - Ground Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony [a]	< 30	30	ug/l	5	03/30/23	04/03/23	ND	SW846 6010D [3]	SW846 3010A [4]
Arsenic [a]	< 15	15	ug/l	5	03/30/23	04/03/23	ND	SW846 6010D [3]	SW846 3010A [4]
Barium	236	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	3.3	1.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	278000	25000	ug/l	5	03/30/23	04/03/23	ND	SW846 6010D [3]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	8230	100	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Lead [a]	< 15	15	ug/l	5	03/30/23	04/03/23	ND	SW846 6010D [3]	SW846 3010A [4]
Magnesium	97900	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	645	15	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	19600	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	89500	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium [a]	< 50	50	ug/l	5	03/30/23	04/03/23	ND	SW846 6010D [3]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53941
(3) Instrument QC Batch: MA53953
(4) Prep QC Batch: MP38727
(5) Prep QC Batch: MP38772

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR DRUMWC_032423		
Lab Sample ID:	JD62646-15	**Date Sampled:**	03/24/23
Matrix:	AQ - Ground Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.26 NC		su	1	03/29/23 19:10	MM	SW846 9040C
Cyanide Reactivity	< 10	10	mg/l	1	03/30/23 17:47	MM	SW846 CHAP7/9012B
Ignitability (Flashpoint)	> 200		Deg. F	1	03/29/23 20:56	MM	SW846 1010B/ASTM D93
Sulfide Reactivity	< 100	100	mg/l	1	03/30/23 16:00	MP	SW846 CHAP7/9034

RL = Reporting Limit

SW SED EB TB

SLL

SGS CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

MA-031423-72

Page 1 of 2

PW

FED-EX Tracking # 5894 7371 7422

Bottle Order Control #

SGS Quote #

SGS Job # JD62646

Client / Reporting Information	Project Information	Billing Information (If different from Report to)
Company Name: Ramboll	Project Name: Lyndon Road Landfill	Company Name
Street Address: 333 W Washington ST	Street: 80 Lyndon Rd	Street Address
City: Syracuse State: NY Zip	City: Fairport State: NY	City State Zip
Project Contact: Robert Trent E-mail: RTrent@Ramboll.com	Project #: 1940102.5910	
Phone #	Client Purchase Order #	
Sampler(s) Name(s): R.BRETT, L.Lanford Phone #	Project Manager: R TRENT	Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-TB-032423		3/24/23	0900	RB	G	N	TB	2	2								2	SW
2	LR-EB-032423			1100		G	N	EB	3					3					A36
3	LR-SW5-032423	•		0920		G	N	SW	16	3	1	1		11				11	3 2	E-FLR
4	LR-SED5-032423			0940		C		SED	9					6	2	1		4	1 1 2 1	C4T3
5	LR-SW6-032423			1245		G		SW	5					5					3 2	D34
6	LR-SED6-032423			1230		C		SED	4					4					1 2 1	PB
7	LR-SW-INT-032423	•		1340		G		SW	14	3	1	1		9				9	3 2	MMTT
8,9	LR-DUP-032423	•		—		G/C		SW/SED	25	3	1	1		17	2	1		4	1 1 2 11 3 2	14/4
10	LR-SW7-032423			1420		G		SW	5					5					3 2	40124
11	LR-SW8-032423			1510		G		SW	5					5					3 2	
12	LR-SED8-032423		3/24/23	1520	RB	C	N	SED	4					4					1 2 1	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

Initial Assessment: 2A JR

Label Verification:

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [X] EDD Format NYSDEC VALID Values CR

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

LR-SW-INT-032423 Sample, ABN-TCL20+ and BS2-TCL14DIOX to be analyzed from same jar (run 1L AQ)

DUP-032423 is SW and SED sample

• 4x250mL PCB

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:
1		1 Fed Ex
3		3
5		5

Relinquished By:	Date / Time:	Received By:
2 Fed Ex	3/25/23 9:30	2
4		4

Custody Seal # ☐ Intact ☐ Not intact ☐ Absent

Therm ID: On Ice ☐ Cooler Temp. °C 3.7

See Sample Receipt Summary

EHSA-QAC-0023-05 Rev.Date:8/5/22

4.1 3.4 3.2 3.9 DR-40

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD62646

Client / Reporting Information

Company Name:
Street Address
City State Zip
Project Contact E-mail
Phone #
Sampler(s) Name(s) Phone #

Project Information

Project Name:
Street
City State
Project #
Client Purchase Order #
Project Manager

Billing Information (if different from Report to)

Company Name
Street Address
City State Zip
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles: # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
13	LR-SW9-032423	e	3/24/23	1615	RB	G	N	SW	16	3	1	1		11				11 3 2	
14	LR-SED9-032423		3/24/23	1622	RB	C	N	SED	9					6	2	1		4 1 1 2 1 H 3 3 (RB)	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format NYSDEC Vacuum Valves

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1			Fed Ex
2	Fed Ex	3/25/23 9:30	
3			
4			
5			

Custody Seal # ☐ Intact ☐ Not intact ☐ Absent

Therm ID: On Ice Cooler Temp. °C
See Sample Receipt Summary ☐

EHSA-QAC-0023-05 Rev.Date:8/5/22

SGS Sample Receipt Summary

Job Number: JD62646 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - WATER - WAST

Date / Time Received: 3/25/2023 9:30:00 AM **Delivery Method:** FED EX **Airbill #'s:** 5894 7371 7422

Cooler Temps (Raw Measured) °C: Cooler 1: (4.1); Cooler 2: (3.4); Cooler 3: (3.2); Cooler 4: (3.9); Cooler 5: (3.7); Cooler 6: (4.1); Cooler 7: (3.5);

Cooler Temps (Corrected) °C: Cooler 1: (3.9); Cooler 2: (3.2); Cooler 3: (3.0); Cooler 4: (3.7); Cooler 5: (3.5); Cooler 6: (3.9); Cooler 7: (3.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	7		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments: Additional sample rec'd not on COC: LR Drumwc_032423 3/24/23 10:50 2 x 950mL np for 8270, 4 x 250mL np for PCB, 1 x 500mL HNO3 for MTAL 1 x 500mL np for RCRACLAS, 3 x 40mL HCL for 8260.

Responded to by: Marie Meidhof Response Date: 3/27/2023

Please login for the following tests: V8260TCL20,AB8270TCL20,P8081PESTTCL,P8082PCB11,H8151FL,RCRACLAS, MTAL.

Job Change Order: JD62646

Requested Date:	3/27/2023	**Received Date:**	3/25/2023
Account Name:	Ramboll Americas	**Due Date:**	4/3/2023
Project Description:	Lyndon Road Landfill	**Deliverable:**	NYASPB
C/O Initiated By:	MARIE_MEI **PM:** MM	**TAT (Days):**	7

==========

Sample #: JD62646-4 **Dept:**

Client ID: LR-SED5-032423 **TAT:** 7

Change: Removed B827014DIOXAN; compound is included in AB8270TCL20+ test code.

==========

Sample #: JD62646-9 **Dept:**

Client ID: LR-DUP-032423 **TAT:** 7

Change: Removed B827014DIOXAN; compound is included in AB8270TCL20+ test code.

==========

Sample #: JD62646-14 **Dept:**

Client ID: LR-SED9-032423 **TAT:** 7

Change: Removed B827014DIOXAN; compound is included in AB8270TCL20+ test code.

Above Changes Per: **Date/Time:** 3/27/2023

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD62646

Sampling Date: 03/24/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **48**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD62646

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD62646-1	03/24/23	16:20	RB	03/25/23	AQ	Trip Blank Water	LR-TB-032423
*	JD62646-2	03/24/23	11:00	RB	03/25/23	AQ	Equipment Blank	LR-EB-032423
	JD62646-3	03/24/23	09:20	RB	03/25/23	AQ	Surface Water	LR-SW5-032423
*	JD62646-3A	03/24/23	09:20	RB	03/25/23	AQ	Surface Water	LR-SW5-032423
	JD62646-4	03/24/23	09:40	RB	03/25/23	SO	Sediment	LR-SED5-032423
*	JD62646-4A	03/24/23	09:40	RB	03/25/23	SO	Sediment	LR-SED5-032423
	JD62646-5	03/24/23	12:45	RB	03/25/23	AQ	Surface Water	LR-SW6-032423
*	JD62646-5A	03/24/23	12:45	RB	03/25/23	AQ	Surface Water	LR-SW6-032423
	JD62646-6	03/24/23	12:30	RB	03/25/23	SO	Sediment	LR-SED6-032423
*	JD62646-6A	03/24/23	12:30	RB	03/25/23	SO	Sediment	LR-SED6-032423
	JD62646-7	03/24/23	13:40	RB	03/25/23	AQ	Surface Water	LR-SW-INT-032423
*	JD62646-7A	03/24/23	13:40	RB	03/25/23	AQ	Surface Water	LR-SW-INT-032423

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD62646

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
	JD62646-8	03/24/23	00:00	RB	03/25/23	AQ	Surface Water	LR-DUP-032423
*	JD62646-8A	03/24/23	00:00	RB	03/25/23	AQ	Surface Water	LR-DUP-032423
	JD62646-9	03/24/23	00:00	RB	03/25/23	SO	Sediment	LR-DUP-032423
*	JD62646-9A	03/24/23	00:00	RB	03/25/23	SO	Sediment	LR-DUP-032423
	JD62646-10	03/24/23	14:20	RB	03/25/23	AQ	Surface Water	LR-SW7-032423
*	JD62646-10A	03/24/23	14:20	RB	03/25/23	AQ	Surface Water	LR-SW7-032423
	JD62646-11	03/24/23	15:10	RB	03/25/23	AQ	Surface Water	LR-SW8-032423
*	JD62646-11A	03/24/23	15:10	RB	03/25/23	AQ	Surface Water	LR-SW8-032423
	JD62646-12	03/24/23	15:20	RB	03/25/23	SO	Sediment	LR-SED8-032423
*	JD62646-12A	03/24/23	15:20	RB	03/25/23	SO	Sediment	LR-SED8-032423
	JD62646-13	03/24/23	16:10	RB	03/25/23	AQ	Surface Water	LR-SW9-032423
*	JD62646-13A	03/24/23	16:10	RB	03/25/23	AQ	Surface Water	LR-SW9-032423
	JD62646-14	03/24/23	16:00	RB	03/25/23	SO	Sediment	LR-SED9-032423

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Ramboll Americas

Job No: JD62646

Lyndon Road Landfill
Project No: 1940102910

	Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
*	JD62646-14A	03/24/23	16:00	RB	03/25/23	SO	Sediment	LR-SED9-032423
	JD62646-15	03/24/23	10:50	RB	03/25/23	AQ	Ground Water	LR DRUMWC_032423

* The following report applies to these samples only (14 day TAT).

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-EB-032423		
Lab Sample ID:	JD62646-2	**Date Sampled:**	03/24/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16136.D	1	04/05/23 21:15	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0074	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0037	0.00093	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0019	0.00046	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0019	0.00093	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-032423		
Lab Sample ID:	JD62646-2	**Date Sampled:**	03/24/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	96%		20-150%
	13C5-PFPeA	95%		20-150%
	13C5-PFHxA	95%		20-150%
	13C4-PFHpA	92%		20-150%
	13C8-PFOA	92%		20-150%
	13C9-PFNA	86%		20-150%
	13C6-PFDA	91%		20-150%
	13C7-PFUnDA	90%		20-150%
	13C2-PFDoDA	81%		20-150%
	13C2-PFTeDA	75%		20-150%
	13C3-PFBS	90%		20-150%
	13C3-PFHxS	85%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-032423		
Lab Sample ID:	JD62646-2	**Date Sampled:**	03/24/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	92%		20-150%
	13C8-FOSA	74%		20-150%
	d3-MeFOSA	74%		20-150%
	d5-EtFOSA	74%		20-150%
	d3-MeFOSAA	96%		20-150%
	d5-EtFOSAA	97%		20-150%
	d7-MeFOSE	66%		20-150%
	d9-EtFOSE	71%		20-150%
	13C2-4:2FTS	103%		20-150%
	13C2-6:2FTS	118%		20-150%
	13C2-8:2FTS	95%		20-150%
	13C3-HFPO-DA	90%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16137.D	1	04/05/23 21:29	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0063	0.0074	0.0037	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0017	0.0037	0.00093	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0020	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	0.00077	0.0019	0.00046	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0034	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0019	0.0019	0.00093	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	52%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	108%		20-150%
	13C4-PFHpA	102%		20-150%
	13C8-PFOA	102%		20-150%
	13C9-PFNA	103%		20-150%
	13C6-PFDA	103%		20-150%
	13C7-PFUnDA	102%		20-150%
	13C2-PFDoDA	90%		20-150%
	13C2-PFTeDA	43%		20-150%
	13C3-PFBS	99%		20-150%
	13C3-PFHxS	98%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	102%		20-150%
	13C8-FOSA	98%		20-150%
	d3-MeFOSA	89%		20-150%
	d5-EtFOSA	86%		20-150%
	d3-MeFOSAA	129%		20-150%
	d5-EtFOSAA	132%		20-150%
	d7-MeFOSE	73%		20-150%
	d9-EtFOSE	79%		20-150%
	13C2-4:2FTS	105%		20-150%
	13C2-6:2FTS	92%		20-150%
	13C2-8:2FTS	93%		20-150%
	13C3-HFPO-DA	92%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16210.D	1	04/06/23 18:55	AFL	04/04/23 09:00	F:OP96227	F:S6Q241
Run #2							

	Initial Weight	Final Volume
Run #1	5.04 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00066	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00053	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00026	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0012	0.00026	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00026	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00019	0.00026	0.00013	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00079	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00053	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00053	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00053	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00058	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00053	mg/kg	
113507-82-7	PFEESA	ND	0.00053	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00067	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0066	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0066	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	75%		20-150%
	13C5-PFPeA	73%		20-150%
	13C5-PFHxA	75%		20-150%
	13C4-PFHpA	73%		20-150%
	13C8-PFOA	78%		20-150%
	13C9-PFNA	80%		20-150%
	13C6-PFDA	73%		20-150%
	13C7-PFUnDA	76%		20-150%
	13C2-PFDoDA	69%		20-150%
	13C2-PFTeDA	62%		20-150%
	13C3-PFBS	69%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	79%		20-150%
	13C8-FOSA	65%		20-150%
	d3-MeFOSA	65%		20-150%
	d5-EtFOSA	60%		20-150%
	d3-MeFOSAA	77%		20-150%
	d5-EtFOSAA	76%		20-150%
	d7-MeFOSE	48%		20-150%
	d9-EtFOSE	49%		20-150%
	13C2-4:2FTS	85%		20-150%
	13C2-6:2FTS	85%		20-150%
	13C2-8:2FTS	87%		20-150%
	13C3-HFPO-DA	66%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW6-032423		
Lab Sample ID:	JD62646-5A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16138.D	1	04/05/23 21:43	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	460 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0130	0.0087	0.0043	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0043	0.0011	ug/l	
307-24-4	Perfluorohexanoic acid	0.0016	0.0022	0.00054	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.0014	0.0022	0.00054	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0040	0.0022	0.00054	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0022	0.00066	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0022	0.00054	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0022	0.00065	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0022	0.00065	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0022	0.00091	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0022	0.00054	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0014	0.0022	0.0011	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0022	0.0012	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0022	0.0011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0022	0.0011	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0017	0.0022	0.0011	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0022	0.0011	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0022	0.0011	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0022	0.0012	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0087	0.0045	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0022	0.0011	ug/l	
31506-32-8	MeFOSA	ND	0.0022	0.0011	ug/l	
4151-50-2	EtFOSA	ND	0.0022	0.0011	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW6-032423		
Lab Sample ID:	JD62646-5A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0022	0.0011	ug/l	
2991-50-6	EtFOSAA	ND	0.0022	0.0014	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.022	0.011	ug/l	
1691-99-2	EtFOSE	ND	0.022	0.011	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0087	0.0022	ug/l	
919005-14-4	ADONA	ND	0.0087	0.0022	ug/l	
377-73-1	PFMPA	ND	0.0043	0.0011	ug/l	
863090-89-5	PFMBA	ND	0.0043	0.0012	ug/l	
151772-58-6	NFDHA	ND	0.0043	0.0013	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0087	0.0022	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0087	0.0022	ug/l	
113507-82-7	PFEESA	ND	0.0043	0.0011	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.011	0.0054	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.054	0.011	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.054	0.011	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		20-150%
	13C5-PFPeA	105%		20-150%
	13C5-PFHxA	107%		20-150%
	13C4-PFHpA	107%		20-150%
	13C8-PFOA	98%		20-150%
	13C9-PFNA	92%		20-150%
	13C6-PFDA	94%		20-150%
	13C7-PFUnDA	89%		20-150%
	13C2-PFDoDA	74%		20-150%
	13C2-PFTeDA	63%		20-150%
	13C3-PFBS	100%		20-150%
	13C3-PFHxS	91%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW6-032423		
Lab Sample ID:	JD62646-5A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	91%		20-150%
	13C8-FOSA	85%		20-150%
	d3-MeFOSA	78%		20-150%
	d5-EtFOSA	72%		20-150%
	d3-MeFOSAA	93%		20-150%
	d5-EtFOSAA	94%		20-150%
	d7-MeFOSE	71%		20-150%
	d9-EtFOSE	69%		20-150%
	13C2-4:2FTS	118%		20-150%
	13C2-6:2FTS	95%		20-150%
	13C2-8:2FTS	79%		20-150%
	13C3-HFPO-DA	97%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED6-032423		
Lab Sample ID:	JD62646-6A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	32.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16211.D	1	04/06/23 19:09	AFL	04/04/23 09:00	F:OP96227	F:S6Q241
Run #2							

	Initial Weight	Final Volume
Run #1	4.95 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0025	0.0016	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.0013	0.00031	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00063	0.00031	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00063	0.00031	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00045	0.00063	0.00031	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00063	0.00036	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00063	0.00031	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00063	0.00042	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00063	0.00031	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00063	0.00032	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00063	0.00031	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00063	0.00031	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00063	0.00049	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00063	0.00050	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00063	0.00046	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0010	0.00063	0.00031	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00063	0.00057	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00063	0.00045	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00063	0.00047	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0025	0.0013	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0025	0.0013	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0025	0.0019	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00063	0.00031	mg/kg	
31506-32-8	MeFOSA	ND	0.00063	0.00043	mg/kg	
4151-50-2	EtFOSA	ND	0.00063	0.00032	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED6-032423		
Lab Sample ID:	JD62646-6A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	32.1
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00063	0.00050	mg/kg	
2991-50-6	EtFOSAA	ND	0.00063	0.00062	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0063	0.0031	mg/kg	
1691-99-2	EtFOSE	ND	0.0063	0.0031	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0025	0.00091	mg/kg	
919005-14-4	ADONA	ND	0.0025	0.0011	mg/kg	
377-73-1	PFMPA	ND	0.0013	0.00063	mg/kg	
863090-89-5	PFMBA	ND	0.0013	0.00063	mg/kg	
151772-58-6	NFDHA	ND	0.0013	0.00077	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0025	0.0014	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0025	0.0013	mg/kg	
113507-82-7	PFEESA	ND	0.0013	0.00063	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0031	0.0016	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.016	0.0036	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.016	0.0040	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	77%		20-150%
	13C5-PFPeA	81%		20-150%
	13C5-PFHxA	81%		20-150%
	13C4-PFHpA	83%		20-150%
	13C8-PFOA	76%		20-150%
	13C9-PFNA	80%		20-150%
	13C6-PFDA	80%		20-150%
	13C7-PFUnDA	68%		20-150%
	13C2-PFDoDA	69%		20-150%
	13C2-PFTeDA	64%		20-150%
	13C3-PFBS	70%		20-150%
	13C3-PFHxS	70%		20-150%

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RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED6-032423		
Lab Sample ID:	JD62646-6A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	32.1
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	85%		20-150%
	13C8-FOSA	72%		20-150%
	d3-MeFOSA	72%		20-150%
	d5-EtFOSA	68%		20-150%
	d3-MeFOSAA	85%		20-150%
	d5-EtFOSAA	89%		20-150%
	d7-MeFOSE	59%		20-150%
	d9-EtFOSE	54%		20-150%
	13C2-4:2FTS	83%		20-150%
	13C2-6:2FTS	78%		20-150%
	13C2-8:2FTS	65%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW-INT-032423
Lab Sample ID: JD62646-7A
Matrix: AQ - Surface Water
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16139.D	1	04/05/23 21:57	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2 [a]	6Q16193.D	5	04/06/23 14:46	AFL	03/31/23 12:30	F:OP96193	F:S6Q241

	Initial Volume	Final Volume
Run #1	560 ml	5.0 ml
Run #2	560 ml	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0508	0.0071	0.0036	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0092	0.0036	0.00089	ug/l	
307-24-4	Perfluorohexanoic acid	0.0193	0.0018	0.00045	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0152	0.0018	0.00045	ug/l	
335-67-1	Perfluorooctanoic acid	0.586 [b]	0.0089	0.0022	ug/l	
375-95-1	Perfluorononanoic acid	0.0043	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	0.0013	0.0018	0.00045	ug/l	J
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00054	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00054	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00075	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00045	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0066	0.0018	0.00089	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	0.0047	0.0018	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0156	0.0018	0.00089	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	0.0036	0.0018	0.00089	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.147	0.0018	0.00089	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00089	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00089	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND [b]	0.036	0.018	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0071	0.0036	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0071	0.0037	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	0.0018	0.0018	0.00089	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00089	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00089	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	0.0034	0.0018	0.00089	ug/l	
2991-50-6	EtFOSAA	0.0072	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0089	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0089	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0071	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0071	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0036	0.00089	ug/l	
863090-89-5	PFMBA	ND	0.0036	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0036	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0071	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0071	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0036	0.00089	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0089	0.0045	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.045	0.0089	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [c]	ND	0.045	0.0089	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	75%	71%	20-150%
	13C5-PFPeA	92%	96%	20-150%
	13C5-PFHxA	106%	103%	20-150%
	13C4-PFHpA	106%	107%	20-150%
	13C8-PFOA	100%	94%	20-150%
	13C9-PFNA	101%	87%	20-150%
	13C6-PFDA	113%	91%	20-150%
	13C7-PFUnDA	91%	81%	20-150%
	13C2-PFDoDA	79%	64%	20-150%
	13C2-PFTeDA	72%	56%	20-150%
	13C3-PFBS	95%	88%	20-150%
	13C3-PFHxS	103%	90%	20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	99%	85%	20-150%
	13C8-FOSA	96%	82%	20-150%
	d3-MeFOSA	75%	76%	20-150%
	d5-EtFOSA	77%	70%	20-150%
	d3-MeFOSAA	117%	90%	20-150%
	d5-EtFOSAA	109%	86%	20-150%
	d7-MeFOSE	71%	68%	20-150%
	d9-EtFOSE	73%	68%	20-150%
	13C2-4:2FTS	160% [d]	84%	20-150%
	13C2-6:2FTS	115%	96%	20-150%
	13C2-8:2FTS	93%	85%	20-150%
	13C3-HFPO-DA	91%	89%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Result is from Run# 2
(c) Associated Low Level CCV outside of control limits high, sample was ND.
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16194.D	1	04/06/23 15:02	AFL	03/31/23 12:30	F:OP96193	F:S6Q241
Run #2							

	Initial Volume	Final Volume
Run #1	510 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0052	0.0078	0.0039	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0016	0.0039	0.00098	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0017	0.0020	0.00049	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.00090	0.0020	0.00049	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0023	0.0020	0.00049	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00060	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00049	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00059	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00059	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00082	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00049	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0018	0.0020	0.00098	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0020	0.00098	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.00098	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0020	0.00098	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.00098	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.00098	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0078	0.0040	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0020	0.00098	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.00098	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.00098	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
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Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0020	0.00098	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.0098	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.0098	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0078	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0078	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0039	0.00098	ug/l	
863090-89-5	PFMBA	ND	0.0039	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0039	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0078	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0078	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0039	0.00098	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0098	0.0049	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.049	0.0098	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.049	0.0098	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	52%		20-150%
	13C5-PFPeA	103%		20-150%
	13C5-PFHxA	107%		20-150%
	13C4-PFHpA	106%		20-150%
	13C8-PFOA	101%		20-150%
	13C9-PFNA	97%		20-150%
	13C6-PFDA	112%		20-150%
	13C7-PFUnDA	111%		20-150%
	13C2-PFDoDA	99%		20-150%
	13C2-PFTeDA	47%		20-150%
	13C3-PFBS	92%		20-150%
	13C3-PFHxS	94%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	113%		20-150%
	13C8-FOSA	93%		20-150%
	d3-MeFOSA	83%		20-150%
	d5-EtFOSA	80%		20-150%
	d3-MeFOSAA	119%		20-150%
	d5-EtFOSAA	141%		20-150%
	d7-MeFOSE	67%		20-150%
	d9-EtFOSE	77%		20-150%
	13C2-4:2FTS	106%		20-150%
	13C2-6:2FTS	97%		20-150%
	13C2-8:2FTS	75%		20-150%
	13C3-HFPO-DA	97%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16216.D	1	04/06/23 20:19	AFL	04/04/23 09:00	F:OP96227	F:S6Q241
Run #2							

	Initial Weight	Final Volume
Run #1	4.95 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00066	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00052	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00026	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0018	0.00026	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00026	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00028	0.00026	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00079	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00044	mg/kg	
377-73-1	PFMPA	ND	0.00052	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00052	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00052	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00058	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00052	mg/kg	
113507-82-7	PFEESA	ND	0.00052	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00067	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0066	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0066	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	80%		20-150%
	13C5-PFPeA	79%		20-150%
	13C5-PFHxA	80%		20-150%
	13C4-PFHpA	77%		20-150%
	13C8-PFOA	83%		20-150%
	13C9-PFNA	90%		20-150%
	13C6-PFDA	83%		20-150%
	13C7-PFUnDA	84%		20-150%
	13C2-PFDoDA	76%		20-150%
	13C2-PFTeDA	63%		20-150%
	13C3-PFBS	70%		20-150%
	13C3-PFHxS	70%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	80%		20-150%
	13C8-FOSA	75%		20-150%
	d3-MeFOSA	67%		20-150%
	d5-EtFOSA	62%		20-150%
	d3-MeFOSAA	80%		20-150%
	d5-EtFOSAA	86%		20-150%
	d7-MeFOSE	48%		20-150%
	d9-EtFOSE	53%		20-150%
	13C2-4:2FTS	82%		20-150%
	13C2-6:2FTS	88%		20-150%
	13C2-8:2FTS	80%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW7-032423		
Lab Sample ID:	JD62646-10A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16141.D	1	04/05/23 22:25	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	565 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0062	0.0071	0.0035	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0016	0.0035	0.00088	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0014	0.0018	0.00044	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.00072	0.0018	0.00044	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0045	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0016	0.0018	0.00088	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00099	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0014	0.0018	0.00088	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0071	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0071	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0071	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW7-032423		
Lab Sample ID:	JD62646-10A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0071	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0071	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0071	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0071	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	46%		20-150%
	13C5-PFPeA	97%		20-150%
	13C5-PFHxA	102%		20-150%
	13C4-PFHpA	109%		20-150%
	13C8-PFOA	94%		20-150%
	13C9-PFNA	92%		20-150%
	13C6-PFDA	88%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	64%		20-150%
	13C2-PFTeDA	42%		20-150%
	13C3-PFBS	82%		20-150%
	13C3-PFHxS	81%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW7-032423		
Lab Sample ID:	JD62646-10A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	92%		20-150%
	13C8-FOSA	82%		20-150%
	d3-MeFOSA	73%		20-150%
	d5-EtFOSA	67%		20-150%
	d3-MeFOSAA	85%		20-150%
	d5-EtFOSAA	89%		20-150%
	d7-MeFOSE	63%		20-150%
	d9-EtFOSE	62%		20-150%
	13C2-4:2FTS	91%		20-150%
	13C2-6:2FTS	85%		20-150%
	13C2-8:2FTS	80%		20-150%
	13C3-HFPO-DA	90%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW8-032423		
Lab Sample ID:	JD62646-11A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16142.D	1	04/05/23 22:39	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	510 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0055	0.0078	0.0039	ug/l	J
2706-90-3	Perfluoropentanoic acid	ND	0.0039	0.00098	ug/l	
307-24-4	Perfluorohexanoic acid	0.0018	0.0020	0.00049	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.00095	0.0020	0.00049	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0059	0.0020	0.00049	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00060	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00049	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00059	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00059	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00082	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00049	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0022	0.0020	0.00098	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0020	0.00098	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.00098	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0020	0.00098	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.00098	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.00098	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0078	0.0040	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0020	0.00098	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.00098	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.00098	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW8-032423		
Lab Sample ID:	JD62646-11A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0020	0.00098	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.0098	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.0098	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0078	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0078	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0039	0.00098	ug/l	
863090-89-5	PFMBA	ND	0.0039	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0039	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0078	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0078	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0039	0.00098	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0098	0.0049	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.049	0.0098	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.049	0.0098	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	53%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	104%		20-150%
	13C4-PFHpA	107%		20-150%
	13C8-PFOA	105%		20-150%
	13C9-PFNA	101%		20-150%
	13C6-PFDA	103%		20-150%
	13C7-PFUnDA	86%		20-150%
	13C2-PFDoDA	70%		20-150%
	13C2-PFTeDA	44%		20-150%
	13C3-PFBS	88%		20-150%
	13C3-PFHxS	97%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW8-032423		
Lab Sample ID:	JD62646-11A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	95%		20-150%
	13C8-FOSA	92%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	77%		20-150%
	d3-MeFOSAA	97%		20-150%
	d5-EtFOSAA	96%		20-150%
	d7-MeFOSE	64%		20-150%
	d9-EtFOSE	66%		20-150%
	13C2-4:2FTS	108%		20-150%
	13C2-6:2FTS	106%		20-150%
	13C2-8:2FTS	74%		20-150%
	13C3-HFPO-DA	100%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED8-032423		
Lab Sample ID:	JD62646-12A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	76.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16217.D	1	04/06/23 20:33	AFL	04/04/23 09:00	F:OP96227	F:S6Q241
Run #2							

	Initial Weight	Final Volume
Run #1	5.01 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00065	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00052	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00026	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0015	0.00026	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00026	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00020	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00030	0.00026	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00023	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00019	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00078	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED8-032423		
Lab Sample ID:	JD62646-12A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	76.9
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00044	mg/kg	
377-73-1	PFMPA	ND	0.00052	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00052	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00052	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00057	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00052	mg/kg	
113507-82-7	PFEESA	ND	0.00052	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00066	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0065	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0065	0.0016	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	76%		20-150%
	13C5-PFHxA	77%		20-150%
	13C4-PFHpA	81%		20-150%
	13C8-PFOA	79%		20-150%
	13C9-PFNA	82%		20-150%
	13C6-PFDA	76%		20-150%
	13C7-PFUnDA	85%		20-150%
	13C2-PFDoDA	74%		20-150%
	13C2-PFTeDA	63%		20-150%
	13C3-PFBS	73%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED8-032423		
Lab Sample ID:	JD62646-12A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	76.9
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	76%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	68%		20-150%
	d5-EtFOSA	61%		20-150%
	d3-MeFOSAA	78%		20-150%
	d5-EtFOSAA	88%		20-150%
	d7-MeFOSE	47%		20-150%
	d9-EtFOSE	51%		20-150%
	13C2-4:2FTS	90%		20-150%
	13C2-6:2FTS	94%		20-150%
	13C2-8:2FTS	72%		20-150%
	13C3-HFPO-DA	75%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16143.D	1	04/05/23 22:53	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0101	0.0074	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0054	0.0037	0.00093	ug/l	
307-24-4	Perfluorohexanoic acid	0.0023	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0019	0.0019	0.00046	ug/l	
335-67-1	Perfluorooctanoic acid	0.0140	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	0.00061	0.0019	0.00056	ug/l	J
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0021	0.0019	0.00093	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.00096	0.0019	0.00093	ug/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0108	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	41%		20-150%
	13C5-PFPeA	83%		20-150%
	13C5-PFHxA	85%		20-150%
	13C4-PFHpA	88%		20-150%
	13C8-PFOA	87%		20-150%
	13C9-PFNA	86%		20-150%
	13C6-PFDA	87%		20-150%
	13C7-PFUnDA	79%		20-150%
	13C2-PFDoDA	62%		20-150%
	13C2-PFTeDA	42%		20-150%
	13C3-PFBS	85%		20-150%
	13C3-PFHxS	87%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	80%		20-150%
	13C8-FOSA	80%		20-150%
	d3-MeFOSA	68%		20-150%
	d5-EtFOSA	64%		20-150%
	d3-MeFOSAA	81%		20-150%
	d5-EtFOSAA	80%		20-150%
	d7-MeFOSE	60%		20-150%
	d9-EtFOSE	62%		20-150%
	13C2-4:2FTS	98%		20-150%
	13C2-6:2FTS	93%		20-150%
	13C2-8:2FTS	75%		20-150%
	13C3-HFPO-DA	77%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q43650.D	1	04/25/23 18:08	AFL	04/24/23 11:00	F:OP96295	F:S4Q630
Run #2							

	Initial Weight	Final Volume
Run #1	5.03 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0033	0.0021	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.0017	0.00042	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00084	0.00042	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00084	0.00042	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0066	0.00084	0.00042	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00084	0.00048	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00050	0.00084	0.00042	mg/kg	J
2058-94-8	Perfluoroundecanoic acid	ND	0.00084	0.00056	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00084	0.00042	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00084	0.00043	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00084	0.00042	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00084	0.00042	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00084	0.00066	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00084	0.00066	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00084	0.00061	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0189	0.00084	0.00042	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00084	0.00076	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00084	0.00060	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00084	0.00063	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0033	0.0017	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0033	0.0017	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0033	0.0025	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00084	0.00042	mg/kg	
31506-32-8	MeFOSA	ND	0.00084	0.00057	mg/kg	
4151-50-2	EtFOSA	ND	0.00084	0.00042	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00084	0.00066	mg/kg	
2991-50-6	EtFOSAA	ND	0.00084	0.00082	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0084	0.0042	mg/kg	
1691-99-2	EtFOSE	ND	0.0084	0.0042	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0033	0.0012	mg/kg	
919005-14-4	ADONA	ND	0.0033	0.0014	mg/kg	
377-73-1	PFMPA	ND	0.0017	0.00084	mg/kg	
863090-89-5	PFMBA	ND	0.0017	0.00084	mg/kg	
151772-58-6	NFDHA	ND	0.0017	0.0010	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0033	0.0018	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0033	0.0017	mg/kg	
113507-82-7	PFEESA	ND	0.0017	0.00084	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0042	0.0021	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.021	0.0048	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.021	0.0053	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	67%		20-150%
	13C5-PFPeA	67%		20-150%
	13C5-PFHxA	70%		20-150%
	13C4-PFHpA	67%		20-150%
	13C8-PFOA	72%		20-150%
	13C9-PFNA	83%		20-150%
	13C6-PFDA	87%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	84%		20-150%
	13C2-PFTeDA	56%		20-150%
	13C3-PFBS	85%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	77%		20-150%
	13C8-FOSA	71%		20-150%
	d3-MeFOSA	68%		20-150%
	d5-EtFOSA	63%		20-150%
	d3-MeFOSAA	87%		20-150%
	d5-EtFOSAA	82%		20-150%
	d7-MeFOSE	52%		20-150%
	d9-EtFOSE	46%		20-150%
	13C2-4:2FTS	71%		20-150%
	13C2-6:2FTS	64%		20-150%
	13C2-8:2FTS	57%		20-150%
	13C3-HFPO-DA	54%		20-150%

(a) Sample extracted beyond hold time. Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SW SED EB TB SLL

SGS CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

MA-031423-72

FEDEX Tracking # 5894 7371 7422

SGS Quote #

Bottle Order Control #

SGS Job # JD62646

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W Washington ST
City State Zip: Syracuse NY
Project Contact E-mail: Robert.Trent@Ramboll.com
Phone #
Sampler(s) Name(s) Phone #: R.BRETT, L.Lanford

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Rd
City State: Fairport NY
Project #: 1940102910
Client Purchase Order #
Project Manager: R TRENT

Billing Information (If different from Report to)

Company Name
Street Address
City State Zip
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-TB-032423		3/24/23	0900	RB	G	N	TB	2	2									SW
2	LR-EB-032423			1100		G	N	EB	3					3				2	A36
3	LR-SW5-032423	•		0920		G	N	SW	16	3	1	1		11				11	3 2 EFER
4	LR-SED5-032423			0940		C		SED	9					6	2	1		4 1 1 2 1	
5	LR-SW6-032423			1245		G		SW	5					5				3 2	CHTB
6	LR-SED6-032423			1230		C		SED	4					4				1 2 1	1807
7	LR-SW-INT-032423	•		1340		G		SW	14	3	1	1		9				9 3 2	D34
8,9	LR-DUP-032423	•		—		G/C		SW/SED	25	3	1	1		17	2	1		4 1 1 2 11 3 2	PB
10	LR-SW7-032423			1420		G		SW	5					5				3 2	MMTT
11	LR-SW8-032423			1510		G		SW	5					5				3 2	1414
12	LR-SED8-032423		3/24/23	1520	RB	C	N	SED	4					4				1 2 1	H0124

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

Initial Assessment 2A JR

Label Verification

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [X] EDD Format NYSDEC VALID Values CR

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

LR-SW-INT-032423 Sample, ABN-TCL20+ and BN-TCL-1,4-Dioxane to be analyzed from same jar (runs 1L AG)
DUP-032423 is SW and SED sample
• 4x250mL PCB

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:
1		1 Fed Ex
3		3
5		5

Relinquished By:	Date / Time:	Received By:
2 Fed Ex	3/25/23 9:30	2
4		4

Custody Seal # ☐ Intact ☐ Not intact ☐ Absent

Therm ID: On Ice ☐ Cooler Temp. °C 3.7

See Sample Receipt Summary

EHSA-QAC-0023-05 Rev.Date:8/5/22

4.1 3.4 3.2 3.9 DR-40

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD62646

Client / Reporting Information

Company Name:
Street Address
City State Zip
Project Contact E-mail
Phone #
Sampler(s) Name(s) Phone #

Project Information

Project Name:
Street
City State
Project #
Client Purchase Order #
Project Manager

Billing Information (if different from Report to)

Company Name
Street Address
City State Zip
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
13	LR-SW9-032423	e	3/24/23	1615	RB	G	N	SW	16	3	1	1		11				11 3 2	
14	LR-SED9-032423		3/24/23	1622	RB	C	N	SED	9					6	2	1		4 1 1 2 1 ~~+~~ ~~3~~ ~~3~~ (RB)	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage | * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format NYSDEC Vocvolatiles

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1			Fed Ex
2	Fed Ex	3/25/23 9:30	
3			
4			
5			

Custody Seal # | Intact | Not intact | Absent | Therm ID: | On Ice | Cooler Temp. °C | See Sample Receipt Summary

EHSA-QAC-0023-05 Rev.Date:8/5/22

SGS Sample Receipt Summary

Job Number: JD62646 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL - WATER - WAST

Date / Time Received: 3/25/2023 9:30:00 AM **Delivery Method:** FED EX **Airbill #'s:** 5894 7371 7422

Cooler Temps (Raw Measured) °C: Cooler 1: (4.1); Cooler 2: (3.4); Cooler 3: (3.2); Cooler 4: (3.9); Cooler 5: (3.7); Cooler 6: (4.1); Cooler 7: (3.5);

Cooler Temps (Corrected) °C: Cooler 1: (3.9); Cooler 2: (3.2); Cooler 3: (3.0); Cooler 4: (3.7); Cooler 5: (3.5); Cooler 6: (3.9); Cooler 7: (3.3);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	7	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments: Additional sample rec'd not on COC: LR Drumwc_032423 3/24/23 10:50 2 x 950mL np for 8270, 4 x 250mL np for PCB, 1 x 500mL HNO3 for MTAL 1 x 500mL np for RCRACLAS, 3 x 40mL HCL for 8260.

Responded to by: Marie Meidhof Response Date: 3/27/2023

Please login for the following tests: V8260TCL20,AB8270TCL20,P8081PESTTCL,P8082PCB11,H8151FL,RCRACLAS, MTAL.

Job Change Order: JD62646

Requested Date:	3/27/2023	**Received Date:**	3/25/2023
Account Name:	Ramboll Americas	**Due Date:**	4/3/2023
Project Description:	Lyndon Road Landfill	**Deliverable:**	NYASPB
C/O Initiated By:	MARIE_MEI **PM:** MM	**TAT (Days):**	7

==========

Sample #: JD62646-4 **Dept:**

Client ID: LR-SED5-032423 **TAT:** 7

Change: Removed B827014DIOXAN; compound is included in AB8270TCL20+ test code.

==========

Sample #: JD62646-9 **Dept:**

Client ID: LR-DUP-032423 **TAT:** 7

Change: Removed B827014DIOXAN; compound is included in AB8270TCL20+ test code.

==========

Sample #: JD62646-14 **Dept:**

Client ID: LR-SED9-032423 **TAT:** 7

Change: Removed B827014DIOXAN; compound is included in AB8270TCL20+ test code.

Above Changes Per: **Date/Time:** 3/27/2023

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ramboll Americas

Lyndon Road Landfill

1940102910

SGS Job Number: JD64649

Sampling Date: 04/26/23

Report to:

Brandon.haynes@ramboll.com
marie.meidhof@sgs.com
robert.trent@ramboll.com

ATTN: Distribution4

Total number of pages in report: **10**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Unauthorized modification of this report is strictly prohibited.
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Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sample Summary

Ramboll Americas

Job No: JD64649

Lyndon Road Landfill
Project No: 1940102910

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD64649-1	04/26/23	11:35	JL	04/27/23	SO	Sediment	LR-SED-09-042623
JD64649-2	04/26/23	11:30	JL	04/27/23	AQ	Surface Water	LR-SW-09-042623

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	LR-SED-09-042623		
Lab Sample ID:	JD64649-1	**Date Sampled:**	04/26/23
Matrix:	SO - Sediment	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	33.3
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q14544.D	1	05/19/23 20:18	AFL	05/16/23 09:45	F:OP96898	F:S5Q229
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0024	0.0015	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.0012	0.00030	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00060	0.00030	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00060	0.00030	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0044	0.00060	0.00030	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00060	0.00035	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00060	0.00030	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00060	0.00040	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00060	0.00030	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00060	0.00031	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00060	0.00030	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00060	0.00030	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00060	0.00047	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00060	0.00048	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00060	0.00044	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0050	0.00060	0.00030	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00060	0.00054	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00060	0.00043	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00060	0.00045	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0024	0.0012	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0024	0.0012	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0024	0.0018	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00060	0.00030	mg/kg	
31506-32-8	MeFOSA	ND	0.00060	0.00041	mg/kg	
4151-50-2	EtFOSA	ND	0.00060	0.00030	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED-09-042623		
Lab Sample ID:	JD64649-1	**Date Sampled:**	04/26/23
Matrix:	SO - Sediment	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	33.3
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00060	0.00047	mg/kg	
2991-50-6	EtFOSAA	ND	0.00060	0.00059	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0060	0.0030	mg/kg	
1691-99-2	EtFOSE	ND	0.0060	0.0030	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0024	0.00087	mg/kg	
919005-14-4	ADONA	ND	0.0024	0.0010	mg/kg	
377-73-1	PFMPA	ND	0.0012	0.00060	mg/kg	
863090-89-5	PFMBA	ND	0.0012	0.00060	mg/kg	
151772-58-6	NFDHA	ND	0.0012	0.00073	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0024	0.0013	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0024	0.0012	mg/kg	
113507-82-7	PFEESA	ND	0.0012	0.00060	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0030	0.0015	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.015	0.0035	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.015	0.0038	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	60%		20-150%
	13C5-PFPeA	66%		20-150%
	13C5-PFHxA	62%		20-150%
	13C4-PFHpA	58%		20-150%
	13C8-PFOA	61%		20-150%
	13C9-PFNA	62%		20-150%
	13C6-PFDA	61%		20-150%
	13C7-PFUnDA	79%		20-150%
	13C2-PFDoDA	72%		20-150%
	13C2-PFTeDA	54%		20-150%
	13C3-PFBS	77%		20-150%
	13C3-PFHxS	64%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED-09-042623		
Lab Sample ID:	JD64649-1	**Date Sampled:**	04/26/23
Matrix:	SO - Sediment	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	33.3
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	66%		20-150%
	13C8-FOSA	41%		20-150%
	d3-MeFOSA	41%		20-150%
	d5-EtFOSA	34%		20-150%
	d3-MeFOSAA	62%		20-150%
	d5-EtFOSAA	66%		20-150%
	d7-MeFOSE	36%		20-150%
	d9-EtFOSE	31%		20-150%
	13C2-4:2FTS	52%		20-180%
	13C2-6:2FTS	50%		20-180%
	13C2-8:2FTS	60%		20-180%
	13C3-HFPO-DA	58%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-09-042623		
Lab Sample ID:	JD64649-2	**Date Sampled:**	04/26/23
Matrix:	AQ - Surface Water	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q18016.D	1	05/18/23 07:17	AFL	05/16/23 14:20	F:OP96918	F:S6Q271
Run #2							

	Initial Volume	Final Volume
Run #1	565 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0085	0.0071	0.0035	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0036	0.0035	0.00088	ug/l	
307-24-4	Perfluorohexanoic acid	0.0021	0.0018	0.00044	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0011	0.0018	0.00044	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0027	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0018	0.0018	0.00088	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00099	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0015	0.0018	0.00088	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0071	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0071	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0071	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-09-042623		
Lab Sample ID:	JD64649-2	**Date Sampled:**	04/26/23
Matrix:	AQ - Surface Water	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0071	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0071	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0071	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0071	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	35%		20-150%
	13C5-PFPeA	69%		20-150%
	13C5-PFHxA	91%		20-150%
	13C4-PFHpA	102%		20-150%
	13C8-PFOA	106%		20-150%
	13C9-PFNA	107%		20-150%
	13C6-PFDA	116%		20-150%
	13C7-PFUnDA	106%		20-150%
	13C2-PFDoDA	92%		20-150%
	13C2-PFTeDA	56%		20-150%
	13C3-PFBS	104%		20-150%
	13C3-PFHxS	112%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-09-042623		
Lab Sample ID:	JD64649-2	**Date Sampled:**	04/26/23
Matrix:	AQ - Surface Water	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	102%		20-150%
	13C8-FOSA	89%		20-150%
	d3-MeFOSA	79%		20-150%
	d5-EtFOSA	78%		20-150%
	d3-MeFOSAA	96%		20-150%
	d5-EtFOSAA	95%		20-150%
	d7-MeFOSE	64%		20-150%
	d9-EtFOSE	70%		20-150%
	13C2-4:2FTS	95%		20-180%
	13C2-6:2FTS	102%		20-180%
	13C2-8:2FTS	96%		20-180%
	13C3-HFPO-DA	81%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

JD64649

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #: MM-021523-160
SGS Quote #: | SGS Job #: MM-022302-9

Client / Reporting Information

Company Name: Ramboll
Street Address: 333 W Washington St
City / State / Zip: Syracuse NY
Project Contact / E-mail: Robert.Trent@Ramboll.com
Phone #: 19401029 10
Sampler(s) Name(s) / Phone #: S McConbre, J. Lombardi

Project Information

Project Name: Lyndon Road Landfill
Street: 80 Lyndon Rd
City / State: Fairport NY
Project #: 19401029 10
Client Purchase Order #:
Project Manager: Robert Trent

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) / Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	LR-SED-09-042623		4/26/23	11:35	JL		N		2									1 1	
2	LR-SW-09-042623		4/26/23	11:30	JL		N		3									3	NS TB SUB

LC1D1633LIST40
SDL104

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NYASP Category A
- [X] NYASP Category B
- MA MCP Criteria
- CT RCP Criteria
- State Forms
- [X] EDD Format NYSDEC Valid Values

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Custody Seal 08330
Initial Assessment 3A JH
Label Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 fedex	4/27 1015	1	2		2
3		3	4		4
5		5	Custody Seal #		

Therm ID: | On Ice | Cooler Temp. °C
Custody Seal #: ☐ Intact ☐ Not Intact ☐ Absent
See Sample Receipt Summary ☐

EHSA-QAC-0023-05 Rev.Date.8/5/22

3.1 IR-40

JD64649: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD64649 **Client:** RAMBOLL AMERICAS **Project:** LYNDON ROAD LANDFILL

Date / Time Received: 4/27/2023 10:15:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

APPENDIX 6
LOW FLOW SAMPLING LOGS

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: LR-MW-01

Site Name:	Lyndon Rd LF	Sampling Method:	Low Flow	Field Personnel:	JJL
Site Location:	Fairport, NY	Pump Type Used:	Peristaltic Pump	Date:	3/22/2023
Project #:	1940102910	Pump/Controller ID#:	FA01816	Weather:	Overcast, 50F

Well information:

Installed Depth of Well: 26.00 ft. bgs.
Measured Depth of Well*: 26.25 ft. btoc
Depth to Water*: 18.73 ft.
Length of Water Column: 7.52 ft.

Well Volume Multipliers:

2 in. = 0.163 gal/ft

Well Volume: 1.2 gal.
Pump Intake Depth: 21.0 ft. below TOC

*** Measurement Point:**

- [X] Well Casing
- [ ] Protective Casing
- [ ] Other:

Start Purge Time: 16:35

Initial Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* None

Indicate units from drop down menu

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (°C)	pH (S.U.)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Specific Gravity
5	18.73	18.60	8.49	2.88	-48.00	1.46	47.8	500	1.000
10	18.75	18.68	8.54	2.80	-51.00	0.61	48.6	500	-
15	18.75	18.72	8.49	2.80	-54.00	0.47	47.8	500	-
20	18.75	18.77	8.48	2.85	-57.00	0.41	47.6	500	-
25	18.75	18.79	8.47	2.85	-61.00	0.39	46.1	500	-
30	18.75	18.82	8.42	2.85	-62.00	0.37	47.3	500	1.000
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 17:30 Total volume of groundwater purged: 6.0 gallon(s). *Specific Gravity:* 1.000

Final Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* None

Field Sample ID (SGS): LR-MW01-032223 **Sample Time:** 17:15

Field Sample ID (MI): - **Ferrous Iron:** - mg/L

Water Quality Equipment Used:

	Manufacturer	Model	Serial # / I.D. #
Water Quality Meter:	Horiba	U-52	FA02993
Turbidity Meter:			
Other:			

Notes:

Confidential

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: LR-MW-02

Site Name:	Lyndon Rd LF	Sampling Method:	Low Flow	Field Personnel:	R. Britt
Site Location:	Fairport, NY	Pump Type Used:	Peristaltic Pump	Date:	3/22/2023
Project #:	1940102910	Pump/Controller ID#:	FA01816	Weather:	Sunny 50F

Well information:

Installed Depth of Well: 18.00 ft. bgs.
Measured Depth of Well*: 17.41 ft. btoc
Depth to Water*: 8.93 ft.
Length of Water Column: 8.48 ft.

Well Volume Multipliers:

2 in. = 0.163 gal/ft

Well Volume: 1.4 gal.
Pump Intake Depth: 15.5 ft. below TOC

*** Measurement Point:**

[X] Well Casing
[ ] Protective Casing
[ ] Other:

Start Purge Time: 13:30

Initial Observations: *Color:* Clear *Odor:* Sulphur odor *Sheen/Free Product:* Rainbow (biological) sheen

Indicate units from drop down menu

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (°C)	pH (S.U.)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Specific Gravity
5	9.31	14.62	7.05	3.32	-55.00	5.96	116	100	1.002
10	9.32	13.86	7.01	3.39	-54.00	1.50	57.1	100	-
15	9.33	14.02	6.94	3.38	-54.00	1.48	52	100	-
20	9.35	14.04	6.90	3.35	-57.00	0.95	38.4	100	-
25	9.35	13.85	6.89	3.37	-59.00	0.87	39.3	100	-
30	9.35	13.76	6.88	3.38	-61.00	0.73	35.4	100	-
35	9.34	13.84	6.88	3.38	-60.00	0.67	36.4	100	-
40	Stopped purge see notes.								
45	9.21	15.09	6.94	3.26	-43.00	0.80	95.9	100	-
50	9.40	13.49	6.90	3.35	-48.00	0.58	64.8	100	-
55	9.41	13.43	6.89	3.37	-50.00	0.56	57.4	100	-
60	9.42	13.16	6.87	3.40	-53.00	0.51	35.5	100	-
65	9.42	13.16	6.86	3.40	-57.00	0.61	30.9	100	-
70	9.42	13.09	6.86	3.41	-59.00	0.69	26.8	100	-
75	9.42	13.10	6.86	3.41	-61.00	0.95	26.4	100	-
80	9.42	13.09	6.86	3.41	-62.00	0.97	24.6	100	-
85	9.42	13.09	6.86	3.41	-63.00	1.01	24.6	100	1.000
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 16:20 Total volume of groundwater purged: ~ 8 gallon(s). *Specific Gravity:* 1.000

Final Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* Slight rainbow (biological) sheen

Field Sample ID (SGS): LR-MW02-032223 **Sample Time:** 16:10

Field Sample ID (MI): - **Ferrous Iron:** - mg/L

Water Quality Equipment Used:

	Manufacturer	Model	Serial # / I.D. #
Water Quality Meter:	Horiba	U-52	
Turbidity Meter:			
Other:			

Notes: 14:10 - pump malfunctin. Called PM, called rental company. Resume purge using second pump on-site.

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RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: LR-MW-03

Site Name:	Lyndon Rd LF	Sampling Method:	Low Flow	Field Personnel:	JJL
Site Location:	Fairport, NY	Pump Type Used:	Peristaltic Pump	Date:	3/21/2023
Project #:	1940102910	Pump/Controller ID#:	FA01816	Weather:	Overcast 50F

Well information:

Installed Depth of Well: 34.00 ft. bgs.
Measured Depth of Well*: 33.99 ft. btoc
Depth to Water*: 28.75 ft.
Length of Water Column: 5.24 ft.

Well Volume Multipliers:

2 in. = 0.163 gal/ft

Well Volume: 0.9 gal.
Pump Intake Depth: 31.5 ft. below TOC

*** Measurement Point:**

[X] Well Casing
[ ] Protective Casing
[ ] Other:

Start Purge Time: 16:15

Initial Observations: *Color:* Turbid, cloudy *Odor:* None *Sheen/Free Product:* None

Indicate units from drop down menu

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (°C)	pH (S.U.)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Specific Gravity
5	28.80	17.89	11.14	2.96	-175.00	1.52	640	500	1.004
10	28.85	18.50	11.12	2.94	-128.00	1.43	227	500	-
15	28.83	18.84	11.07	2.93	-179.00	1.21	80.6	500	-
20	28.83	18.86	11.01	2.92	-181.00	1.20	62.3	500	-
25	28.83	18.83	10.94	2.91	-181.00	1.14	51.5	500	-
30	28.83	18.84	10.88	2.90	-180.00	1.12	49.6	500	-
35	28.83	18.73	10.81	2.90	-180.00	1.10	46.5	500	-
40	28.83	18.76	10.74	2.89	-179.00	1.07	46.2	500	-
45	28.83	18.71	10.68	2.87	-178.00	1.05	44.7	500	-
50	28.83	18.69	10.65	2.87	-178.00	1.03	44.7	500	1.000
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 17:45 Total volume of groundwater purged: 4.0 gallon(s). *Specific Gravity:* 1.000

Final Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* None

Field Sample ID (SGS): LR-MW-3-032123 **Sample Time:** 17:10

Field Sample ID (MI): - **Ferrous Iron:** - mg/L

Water Quality Equipment Used:

	Manufacturer	Model	Serial # / I.D. #
Water Quality Meter:	Horiba	U-52	FA02993
Turbidity Meter:			
Other:			

Notes:

Confidential

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: LR-MW-04

Site Name:	Lyndon Rd LF	Sampling Method:	Low Flow	Field Personnel:	JJL
Site Location:	Fairport, NY	Pump Type Used:	Peristaltic Pump	Date:	3/22/2023
Project #:	1940102910	Pump/Controller ID#:	FA01816	Weather:	Overcast, 50F

Well information:

Installed Depth of Well: 32.00 ft. bgs.
Measured Depth of Well*: 31.91 ft. btoc
Depth to Water*: 19.88 ft.
Length of Water Column: 12.03 ft.

Well Volume Multipliers:

2 in. = 0.163 gal/ft

Well Volume: 2.0 gal.
Pump Intake Depth: 27.0 ft. below TOC

*** Measurement Point:**

[X] Well Casing
[ ] Protective Casing
[ ] Other:

Start Purge Time: 14:05

Initial Observations: *Color:* Light brown, slightly turbid *Odor:* None *Sheen/Free Product:* None

Indicate units from drop down menu

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (°C)	pH (S.U.)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Specific Gravity
5	20.71	15.99	8.82	3.23	-60.00	2.29	218	500	1.004
10	20.71	15.98	8.80	3.22	-67.00	1.55	213	500	-
15	20.73	25.99	8.76	3.21	-73.00	1.18	141	500	-
20	20.74	16.04	8.69	3.19	-77.00	1.00	110	500	-
25	20.75	16.11	8.65	3.17	-80.00	0.80	90.2	500	-
30	20.77	16.16	8.61	3.16	-84.00	0.67	79.4	500	-
35	20.80	16.20	8.59	3.14	-86.00	0.62	76.1	500	-
40	20.82	16.23	8.57	3.12	-89.00	0.57	70.3	500	-
45	20.84	16.23	8.56	3.11	-92.00	0.52	67.2	500	-
50	20.86	16.23	8.56	3.11	-94.00	0.53	68.6	500	1.002
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 15:30 Total volume of groundwater purged: 7.5 gallon(s). *Specific Gravity:* 1.002

Final Observations: *Color:* Yellow tint *Odor:* None *Sheen/Free Product:* Thin film/sheen, not rainbow

Field Sample ID (SGS): LR-MW04-032223 **Sample Time:** 15:00

Field Sample ID (MI): - **Ferrous Iron:** - mg/L

Water Quality Equipment Used:

	Manufacturer	Model	Serial # / I.D. #
Water Quality Meter:	Horiba	U-52	FA02993
Turbidity Meter:			
Other:			

Notes:

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RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: LR-MW-05

Site Name:	Lyndon Rd LF	Sampling Method:	Low Flow	Field Personnel:	R. Britt
Site Location:	Fairport, NY	Pump Type Used:	Peristaltic Pump	Date:	3/21/2023
Project #:	1940102910	Pump/Controller ID#:	FA04565	Weather:	Sunny, 40F

Well information:

Installed Depth of Well: 29.00 ft. bgs.
Measured Depth of Well*: 27.60 ft. btoc
Depth to Water*: 10.30 ft.
Length of Water Column: 17.30 ft.

Well Volume Multipliers:

2 in. = 0.163 gal/ft

Well Volume: 2.8 gal.
Pump Intake Depth: 25.0 ft. below TOC

*** Measurement Point:**

[X] Well Casing
[ ] Protective Casing
[ ] Other:

Start Purge Time: 10:20

Initial Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* None

Indicate units from drop down menu

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (°C)	pH (S.U.)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Specific Gravity
5	10.80	9.44	7.19	2.40	52.00	4.21	96.6	100	1.000
10	10.85	9.91	7.00	2.38	56.00	4.20	98.7	100	-
15	10.87	10.22	6.97	2.37	46.00	3.71	97.8	100	-
20	10.88	10.61	6.95	2.35	34.00	2.86	101	100	-
25	10.89	10.94	6.95	2.34	27.00	2.80	101	100	-
30	10.89	10.95	6.95	2.34	25.00	2.61	102	100	-
35	10.91	10.98	6.95	2.33	20.00	2.55	102	100	-
40	10.91	11.01	6.95	2.33	17.00	2.39	101	100	-
45	10.91	11.15	6.95	2.32	13.00	2.32	98.3	100	1.000
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 0:00 Total volume of groundwater purged: ~ 4 gallon(s). *Specific Gravity:* 1.000

Final Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* None

Field Sample ID (SGS): LR-MW05-032123 **Sample Time:** 11:20

Field Sample ID (MI): - **Ferrous Iron:** - mg/L

Water Quality Equipment Used:

	Manufacturer	Model	Serial # / I.D. #
Water Quality Meter:	Horiba	U-52	
Turbidity Meter:			
Other:			

Notes: DUP-032123 collected here

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RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: LR-MW-06

Site Name:	Lyndon Rd LF	Sampling Method:	Low Flow	Field Personnel:	R. Britt
Site Location:	Fairport, NY	Pump Type Used:	Peristaltic Pump	Date:	3/22/2023
Project #:	1940102910	Pump/Controller ID#:	FA04565	Weather:	Sunny 35F

Well information:

Installed Depth of Well: 25.00 ft. bgs.
Measured Depth of Well*: 22.00 ft. btoc
Depth to Water*: 8.53 ft.
Length of Water Column: 13.47 ft.

Well Volume Multipliers:

2 in. = 0.163 gal/ft

Well Volume: 2.2 gal.
Pump Intake Depth: 20.0 ft. below TOC

*** Measurement Point:**

- [X] Well Casing
- [ ] Protective Casing
- [ ] Other:

Start Purge Time: 0810

Initial Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* None

Indicate units from drop down menu

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (°C)	pH (S.U.)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Specific Gravity
5	9.21	11.43	7.41	3.35	91.00	2.46	127	200	1.000
10	10.40	11.08	7.35	3.47	82.00	2.07	123	100	-
15	11.41	0.16	7.31	3.46	64.00	1.56	123	100	-
20	11.72	10.19	7.30	3.48	62.00	1.52	99.4	100	-
25	11.85	10.42	7.28	3.47	39.00	1.56	92.7	100	-
30	12.21	9.79	7.25	3.56	29.00	1.25	78.4	100	-
35	12.27	9.53	7.18	3.78	-55.00	1.18	78.6	100	-
40	12.53	9.46	7.16	3.82	-64.00	0.87	80.6	100	-
45	12.57	9.44	7.14	3.85	-68.00	0.80	79.2	100	-
50	12.60	9.42	7.13	3.87	-69.00	0.81	80.5	100	1.000
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1000 Total volume of groundwater purged: ~ 5 gallon(s). *Specific Gravity:* 1.000

Final Observations: *Color:* Light brown *Odor:* None *Sheen/Free Product:* None

Field Sample ID (SGS): LR-MW06-032223 **Sample Time:** 0910

Field Sample ID (MI): - **Ferrous Iron:** - mg/L

Water Quality Equipment Used:

	Manufacturer	Model	Serial # / I.D. #
Water Quality Meter:	Horiba	U-52	
Turbidity Meter:			
Other:			

Notes:

Confidential

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: LR-MW-07

Site Name:	Lyndon Rd LF	Sampling Method:	Low Flow	Field Personnel:	JJL
Site Location:	Fairport, NY	Pump Type Used:	Peristaltic Pump	Date:	3/22/2023
Project #:	1940102910	Pump/Controller ID#:		Weather:	Overcast, 35F

Well information:

Installed Depth of Well:	41.00	ft. bgs.
Measured Depth of Well*:	40.05	ft. btoc
Depth to Water*:	15.22	ft.
Length of Water Column:	24.83	ft.

Well Volume Multipliers:

2 in. = 0.163 gal/ft

Well Volume: 4.0 gal.

Pump Intake Depth: 36.0 ft. below TOC

*** Measurement Point:**

- [X] Well Casing
- [ ] Protective Casing
- [ ] Other:

Start Purge Time: 8:32

Initial Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* None

Indicate units from drop down menu

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (°C)	pH (S.U.)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Specific Gravity
5	18.89	9.71	8.29	2.38	-151.00	1.01	61.6	450	1.002
10	20.19	9.57	8.26	2.39	-161.00	0.91	58.7	400	-
15	21.71	9.50	8.26	2.40	-163.00	0.92	56.4	400	-
20	22.72	9.53	8.27	2.41	-164.00	0.85	55.5	400	-
25	23.23	9.40	8.28	2.42	-163.00	0.79	52.7	350	-
30	23.60	9.31	8.28	2.44	-161.00	0.71	52.1	350	-
35	23.90	9.18	8.29	2.45	-160.00	0.65	50	325	-
40	24.12	9.21	8.28	2.45	-159.00	0.66	49.2	325	-
45	24.65	9.32	8.27	2.46	-160.00	0.63	50.5	300	-
50	24.88	9.43	8.26	2.46	-162.00	0.66	50.2	300	-
55	25.12	9.42	9.19	2.47	-201.00	0.63	49	275	-
60	25.39	9.39	9.20	2.47	-200.00	0.57	48	275	-
65	25.20	9.29	9.24	2.48	-201.00	0.57	47	250	1.002
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 12:50 Total volume of groundwater purged: 9.0 gallon(s). *Specific Gravity:* 1.002

Final Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* None

Field Sample ID (SGS): LR-MW07-032223 and MS/MSD (see note) **Sample Time:** 9:55

Field Sample ID (MI): - **Ferrous Iron:** - mg/L

Water Quality Equipment Used:

	Manufacturer	Model	Serial # / I.D. #
Water Quality Meter:	Horiba	U-52	FA02993
Turbidity Meter:			
Other:			

Notes: MS/MSD collected here: LR-MW07-032223_MS and LR-MW07-032223_MSD

Confidential

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: LR-MW-08

Site Name:	Lyndon Rd LF	Sampling Method:	Low Flow	Field Personnel:	JJL
Site Location:	Fairport, NY	Pump Type Used:	Peristaltic Pump	Date:	3/21/2023
Project #:	1940102910	Pump/Controller ID#:		Weather:	Overcast, 45F

Well information:

Installed Depth of Well: 19.00 ft. bgs.
Measured Depth of Well*: 18.93 ft. btoc
Depth to Water*: 8.39 ft.
Length of Water Column: 10.54 ft.

Well Volume Multipliers:

2 in. = 0.163 gal/ft

Well Volume: 1.7 gal.
Pump Intake Depth: 14.0 ft. below TOC

*** Measurement Point:**

- [X] Well Casing
- [ ] Protective Casing
- [ ] Other:

Start Purge Time: 10:30

Initial Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* None

Indicate units from drop down menu

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (°C)	pH (S.U.)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Specific Gravity
5	10.58	10.15	See note	1.55	243.00	3.82	85.1	300	1.002
10	10.92	10.47	See note	1.54	252.00	3.55	83.3	250	-
15	11.40	11.50	8.63	1.52	-139.00	2.13	79.7	200	1.002
20	11.65	11.79	8.42	1.52	-131.00	2.04	79	150	-
25	11.76	11.95	8.29	1.51	-130.00	2.44	78.4	150	-
30	11.80	12.04	8.36	1.52	-129.00	1.94	78.8	150	-
35	12.00	12.23	8.33	1.51	-129.00	1.91	77.3	150	-
40	12.07	12.14	8.31	1.51	-129.00	1.89	76.2	150	-
45									
50									
55									
60									
65									
70									
75									
80									
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 14:45 Total volume of groundwater purged: 3.0 gallon(s). *Specific Gravity:* 1.002

Final Observations: *Color:* Clear *Odor:* None *Sheen/Free Product:* None

Field Sample ID (SGS): LR-MW08-032123 **Sample Time:** 11:25

Field Sample ID (MI): - **Ferrous Iron:** _____ mg/L

Water Quality Equipment Used:

	Manufacturer	Model	Serial # / I.D. #
Water Quality Meter:	Horiba	U-52	
Turbidity Meter:			
Other:			

Notes: pH sensor malfunction, re-calibrate equipment to fix.

Confidential

APPENDIX 7
SURFACE WATER AND SEDIMENT SAMPLING PHOTOLOG

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
1	03/23/2023

LOCATION

SW/SED/SG-1

DESCRIPTION

Surface water sample, sediment sample, and staff gauge location 1

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
2	03/23/2023

LOCATION

SW/SED/SG-2

DESCRIPTION

Surface water sample, sediment sample, and staff gauge location 2

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
3	03/23/2023

LOCATION

SW/SED/SG-3

DESCRIPTION

Surface water sample, sediment sample, and staff gauge location 3

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
4	03/23/2023

LOCATION

SW/SED/SG-4

DESCRIPTION

Surface water sample, sediment sample, and staff gauge location 4

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
5	03/24/2023

LOCATION

SW-INT

DESCRIPTION

SW-INT surface water sample location

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
6	03/24/2023

LOCATION

SW-INT

DESCRIPTION

Non-biological sheen shown near bottom of the photo. Sheen readily reformed when disturbed.

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
7	03/24/2023

LOCATION

SW/SED/SG-5

DESCRIPTION

Surface water sample, sediment sample, and staff gauge location 5

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
8	03/24/2023

LOCATION

SG-6

DESCRIPTION

Staff gauge SG-6 location

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
9	03/24/2023

LOCATION

SW/SED-6

DESCRIPTION

Surface water and sediment sampling location 6

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
10	03/24/2023

LOCATION

SW-7

DESCRIPTION

Surface water sample location 7

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
11	03/24/2023

LOCATION

SW/SED/SG-8

DESCRIPTION

Surface water sample, sediment sample, and staff gauge location 8

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Lyndon Road Landfill	80 Lyndon Road, Fairport, NY 14450	1940102910

PHOTO NO.	DATE:
12	03/24/2023

LOCATION

SW/SED/SG-9

DESCRIPTION

Surface water sample, sediment sample, and staff gauge location 9

APPENDIX 8
DATA USABILITY SUMMARY REPORTS

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ramboll
SITE NAME:	Lyndon Rd. Landfill
CONTRACTED LAB:	SGS Dayton, NJ
QA/QC LEVEL:	DUSR
EPA SOW/METHODS:	SW-846 Methods
VALIDATION GUIDELINES:	*USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS_SOP_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1)*; Professional Judgment
SAMPLE MATRIX:	Soil
TYPE OF ANALYSIS:	Semivolatile Organic Compounds (SVOC)
SDG NUMBER:	JD60806
SAMPLING DATES:	February 23, 2023

SAMPLES:

Client Sample #	Lab Sample #	SVOC*
LR-MW08-08-09-022323	JD60806-1	X
LR-MW08-0.0-0.2-022323	JD60806-2	X
LR-MW08-0.2-1.0-022323	JD60806-3	X
LR-MW08-0.2-1.0-022323MS	JD60806-3MS	X
LR-MW08-0.2-1.0-022323MSD	JD60806-3MSD	X

* - 1,4-dioxane only.

Suffix Codes: DL = DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Amy L. Hogan, Sandra Nacquin

DATA VALIDATION SUMMARY

SGS Dayton, New Jersey – JD60806 - Organics

SEMIVOLATILE ORGANIC COMPOUNDS (SVOC)

SUMMARY

I.) General:

The analyses for 1,4-dioxane as a Semivolatile Organic Compound (SVOC) were performed per SW-846 Method 8270E.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

All Continuing Calibration criteria were met. No data qualification was necessary.

IV.) Blanks:

Method Blanks:

There was no detection reported for the associated method blank. No data qualification was necessary.

Equipment Blanks:

There was no associated equipment blank for this fraction of the SDG. No data qualification was necessary.

Field Blanks:

There was no associated field blank for this fraction of the SDG. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS/ MSD analyses were performed using sample LR-MW08-0.2-1.0-022323. All criteria were met. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

Appendix A
Qualified Form Is

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-MW08-08-09-022323
Lab Sample ID: JD60806-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/23/23
Date Received: 02/24/23
Percent Solids: 88.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P112730.D	1	03/01/23 15:35	KH	03/01/23 13:00	OP44908	E2P5088
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.037	0.025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	40%		10-109%
321-60-8	2-Fluorobiphenyl	39%		11-109%
1718-51-0	Terphenyl-d14	38%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-MW08-0.0-0.2-022323
Lab Sample ID: JD60806-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/23/23
Date Received: 02/24/23
Percent Solids: 70.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P112734.D	1	03/01/23 16:49	KH	03/01/23 13:00	OP44908	E2P5088
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.046	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	34%		10-109%
321-60-8	2-Fluorobiphenyl	32%		11-109%
1718-51-0	Terphenyl-d14	25%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-0.2-1.0-022323		
Lab Sample ID:	JD60806-3	**Date Sampled:**	02/23/23
Matrix:	SO - Soil	**Date Received:**	02/24/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P112733.D	1	03/01/23 16:30	KH	03/01/23 13:00	OP44908	E2P5088
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.045	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	42%		10-109%
321-60-8	2-Fluorobiphenyl	40%		11-109%
1718-51-0	Terphenyl-d14	35%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Soil and Water
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD60806
SAMPLING DATE(S):	February 23, 2023
REPORT DATE:	May 31, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
LR-MW08-08-09-022323	JD6806-1A	X
LR-MW08-0.0-0.2-022323	JD6806-2A	X
LR-MW08-0.2-1.0-022323	JD6806-3A	X
LR-EB-022323	JD6806-4	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD60806

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all PFAS samples as listed on the Chain-of-Custody (COC).

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements. The samples were extracted and analyzed within the method hold times.

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

All Continuing Calibration Verification criteria were met. No data qualification was necessary.

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Method blank, OP95742MB for soils and OP95749MB for aqueous, were both free from contamination. No data qualification was necessary based on method blank contamination.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued with the samples in this sample delivery group. No qualification was made.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Equipment blank, JD60806-4 was free from contamination. No data were qualified based on equipment blank contamination.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analysis was performed on a sample from a different SDG. No evaluation was made.

VII.) Laboratory Control Samples (LCS):

Soil LCS (blank spike) OP95742 reported the recovery for PFDS < the 70% lower control limit. The following qualification was made based on this finding.

Client ID	Lab ID	Analyte	Qualifier
LR-MW08-08-09-022323	JD6806-1A	PFDoS	UJ
LR-MW08-0.0-0.2-022323	JD6806-2A	PFDoS	UJ
LR-MW08-0.2-1.0-022323	JD6806-3A	PFDoS	UJ

Aqueous LCS OP95749 met QC criteria. No data were qualified based on the aqueous LCS.

VIII.) Field Duplicates:

There were no field duplicate samples identified with this SDG. No evaluation was made.

IX.) Extracted Internal Standards (EIS):

All EIS recoveries were within the 50%-150% limits. No data qualification was made based on EIS recoveries.

X.) Ion Transitions:

All ion transitions criteria were met. No qualification was necessary.

XI.) Reporting limits (RLs):

All reporting limits were met. One sample result was greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. This qualifier was confirmed by the validator.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	Lab ID	Analyte	Qualifier
LR-MW08-08-09-022323	JD6806-1A	PFDoS	UJ
LR-MW08-0.0-0.2-022323	JD6806-2A	PFDoS	UJ
LR-MW08-0.2-1.0-022323	JD6806-3A	PFDoS	UJ

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

Attachment C

Stage 4 Data Confirmation Calculations

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-08-09-022323		
Lab Sample ID:	JD60806-1A	**Date Sampled:**	02/23/23
Matrix:	SO - Soil	**Date Received:**	02/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	88.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q14575.D	1	03/09/23 02:31	AFL	03/06/23 10:40	F:OP95742	F:S6Q220
Run #2							

	Initial Weight	Final Volume
Run #1	5.05 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00090	0.00056	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00045	0.00011	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00023	0.00011	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00023	0.00011	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00015	0.00023	0.00011	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00023	0.00013	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00023	0.00011	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00023	0.00015	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00023	0.00011	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00023	0.00011	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00023	0.00011	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00023	0.00011	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00023	0.00018	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00023	0.00018	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00023	0.00016	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.00023	0.00011	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00023	0.00020	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00023	0.00016	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00023	0.00017	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00090	0.00045	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00090	0.00045	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00090	0.00068	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00023	0.00011	mg/kg	
31506-32-8	MeFOSA	ND	0.00023	0.00015	mg/kg	
4151-50-2	EtFOSA	ND	0.00023	0.00011	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 5/31/23

Report of Analysis

Client Sample ID:	LR-MW08-08-09-022323		
Lab Sample ID:	JD60806-1A	**Date Sampled:**	02/23/23
Matrix:	SO - Soil	**Date Received:**	02/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	88.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00023	0.00018	mg/kg	
2991-50-6	EtFOSAA	ND	0.00023	0.00022	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0023	0.0011	mg/kg	
1691-99-2	EtFOSE	ND	0.0023	0.0011	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00090	0.00033	mg/kg	
919005-14-4	ADONA	ND	0.00090	0.00038	mg/kg	
377-73-1	PFMPA	ND	0.00045	0.00023	mg/kg	
863090-89-5	PFMBA	ND	0.00045	0.00023	mg/kg	
151772-58-6	NFDHA	ND	0.00045	0.00027	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00090	0.00049	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00090	0.00045	mg/kg	
113507-82-7	PFEESA	ND	0.00045	0.00023	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0011	0.00057	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0056	0.0013	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0056	0.0014	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	75%		20-150%
	13C5-PFPeA	71%		20-150%
	13C5-PFHxA	73%		20-150%
	13C4-PFHpA	74%		20-150%
	13C8-PFOA	76%		20-150%
	13C9-PFNA	64%		20-150%
	13C6-PFDA	72%		20-150%
	13C7-PFUnDA	74%		20-150%
	13C2-PFDoDA	65%		20-150%
	13C2-PFTeDA	58%		20-150%
	13C3-PFBS	74%		20-150%
	13C3-PFHxS	75%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-08-09-022323		
Lab Sample ID:	JD60806-1A	**Date Sampled:**	02/23/23
Matrix:	SO - Soil	**Date Received:**	02/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	88.0
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	78%		20-150%
	13C8-FOSA	81%		20-150%
	d3-MeFOSA	66%		20-150%
	d5-EtFOSA	61%		20-150%
	d3-MeFOSAA	81%		20-150%
	d5-EtFOSAA	71%		20-150%
	d7-MeFOSE	57%		20-150%
	d9-EtFOSE	57%		20-150%
	13C2-4:2FTS	85%		20-150%
	13C2-6:2FTS	91%		20-150%
	13C2-8:2FTS	82%		20-150%
	13C3-HFPO-DA	73%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-0.0-0.2-022323		
Lab Sample ID:	JD60806-2A	**Date Sampled:**	02/23/23
Matrix:	SO - Soil	**Date Received:**	02/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	70.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q14576.D	1	03/09/23 02:45	AFL	03/06/23 10:40	F:OP95742	F:S6Q220
Run #2							

	Initial Weight	Final Volume
Run #1	4.98 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00071	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00070	0.00057	0.00014	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00047	0.00028	0.00014	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00028	0.00028	0.00014	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00059	0.00028	0.00014	mg/kg	
375-95-1	Perfluorononanoic acid	0.0036	0.00028	0.00016	mg/kg	
335-76-2	Perfluorodecanoic acid	0.0010	0.00028	0.00014	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.0051	0.00028	0.00019	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00049	0.00028	0.00014	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.0012	0.00028	0.00015	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00028	0.00014	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00028	0.00014	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00028	0.00022	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00028	0.00023	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00028	0.00021	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0024	0.00028	0.00014	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00028	0.00026	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00036	0.00028	0.00020	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00028	0.00021	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00057	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00057	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00085	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00028	0.00014	mg/kg	
31506-32-8	MeFOSA	ND	0.00028	0.00019	mg/kg	
4151-50-2	EtFOSA	ND	0.00028	0.00014	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 5/31/23

Report of Analysis

Client Sample ID:	LR-MW08-0.0-0.2-022323		
Lab Sample ID:	JD60806-2A	**Date Sampled:**	02/23/23
Matrix:	SO - Soil	**Date Received:**	02/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	70.5
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00028	0.00023	mg/kg	
2991-50-6	EtFOSAA	0.0024	0.00028	0.00028	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0028	0.0014	mg/kg	
1691-99-2	EtFOSE	ND	0.0028	0.0014	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00041	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00048	mg/kg	
377-73-1	PFMPA	ND	0.00057	0.00028	mg/kg	
863090-89-5	PFMBA	ND	0.00057	0.00028	mg/kg	
151772-58-6	NFDHA	ND	0.00057	0.00035	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00063	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00057	mg/kg	
113507-82-7	PFEESA	ND	0.00057	0.00028	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00072	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0071	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0071	0.0018	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	76%		20-150%
	13C5-PFPeA	76%		20-150%
	13C5-PFHxA	79%		20-150%
	13C4-PFHpA	82%		20-150%
	13C8-PFOA	75%		20-150%
	13C9-PFNA	72%		20-150%
	13C6-PFDA	80%		20-150%
	13C7-PFUnDA	75%		20-150%
	13C2-PFDoDA	74%		20-150%
	13C2-PFTeDA	67%		20-150%
	13C3-PFBS	75%		20-150%
	13C3-PFHxS	79%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW08-0.0-0.2-022323
Lab Sample ID: JD60806-2A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/23/23
Date Received: 02/24/23
Percent Solids: 70.5

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	82%		20-150%
	13C8-FOSA	84%		20-150%
	d3-MeFOSA	68%		20-150%
	d5-EtFOSA	65%		20-150%
	d3-MeFOSAA	83%		20-150%
	d5-EtFOSAA	80%		20-150%
	d7-MeFOSE	65%		20-150%
	d9-EtFOSE	64%		20-150%
	13C2-4:2FTS	80%		20-150%
	13C2-6:2FTS	79%		20-150%
	13C2-8:2FTS	71%		20-150%
	13C3-HFPO-DA	74%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-0.2-1.0-022323		
Lab Sample ID:	JD60806-3A	**Date Sampled:**	02/23/23
Matrix:	SO - Soil	**Date Received:**	02/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q14577.D	1	03/09/23 02:59	AFL	03/06/23 10:40	F:OP95742	F:S6Q220
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00069	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00073	0.00056	0.00014	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00059	0.00028	0.00014	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00030	0.00028	0.00014	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00054	0.00028	0.00014	mg/kg	
375-95-1	Perfluorononanoic acid	0.0054	0.00028	0.00016	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00086	0.00028	0.00014	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.0038	0.00028	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00033	0.00028	0.00014	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00085	0.00028	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00028	0.00014	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00028	0.00014	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00028	0.00022	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00028	0.00022	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00028	0.00020	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0023	0.00028	0.00014	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00028	0.00025	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00029	0.00028	0.00020	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00028	0.00021	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00056	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00056	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00083	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00028	0.00014	mg/kg	
31506-32-8	MeFOSA	ND	0.00028	0.00019	mg/kg	
4151-50-2	EtFOSA	ND	0.00028	0.00014	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 5/31/23

Report of Analysis

Client Sample ID:	LR-MW08-0.2-1.0-022323		
Lab Sample ID:	JD60806-3A	**Date Sampled:**	02/23/23
Matrix:	SO - Soil	**Date Received:**	02/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00028	0.00022	mg/kg	
2991-50-6	EtFOSAA	0.0011	0.00028	0.00027	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0028	0.0014	mg/kg	
1691-99-2	EtFOSE	ND	0.0028	0.0014	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00040	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00047	mg/kg	
377-73-1	PFMPA	ND	0.00056	0.00028	mg/kg	
863090-89-5	PFMBA	ND	0.00056	0.00028	mg/kg	
151772-58-6	NFDHA	ND	0.00056	0.00034	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00061	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00056	mg/kg	
113507-82-7	PFEESA	ND	0.00056	0.00028	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00071	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0069	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0069	0.0018	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	79%		20-150%
	13C5-PFPeA	76%		20-150%
	13C5-PFHxA	79%		20-150%
	13C4-PFHpA	76%		20-150%
	13C8-PFOA	77%		20-150%
	13C9-PFNA	77%		20-150%
	13C6-PFDA	82%		20-150%
	13C7-PFUnDA	81%		20-150%
	13C2-PFDoDA	77%		20-150%
	13C2-PFTeDA	76%		20-150%
	13C3-PFBS	77%		20-150%
	13C3-PFHxS	75%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-0.2-1.0-022323		
Lab Sample ID:	JD60806-3A	**Date Sampled:**	02/23/23
Matrix:	SO - Soil	**Date Received:**	02/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	74%		20-150%
	13C8-FOSA	69%		20-150%
	d3-MeFOSA	66%		20-150%
	d5-EtFOSA	60%		20-150%
	d3-MeFOSAA	77%		20-150%
	d5-EtFOSAA	68%		20-150%
	d7-MeFOSE	62%		20-150%
	d9-EtFOSE	56%		20-150%
	13C2-4:2FTS	96%		20-150%
	13C2-6:2FTS	88%		20-150%
	13C2-8:2FTS	89%		20-150%
	13C3-HFPO-DA	74%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-EB-022323		
Lab Sample ID:	JD60806-4	**Date Sampled:**	02/23/23
Matrix:	AQ - Equipment Blank	**Date Received:**	02/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q14533.D	1	03/08/23 16:43	AFL	03/06/23 13:20	F:OP95749	F:S6Q220
Run #2							

	Initial Volume	Final Volume
Run #1	565 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0071	0.0035	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0035	0.00088	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00044	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00044	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00088	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00099	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00088	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0071	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0071	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0071	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-EB-022323
Lab Sample ID: JD60806-4
Matrix: AQ - Equipment Blank
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/23/23
Date Received: 02/24/23
Percent Solids: n/a

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0071	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0071	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0071	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0071	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	93%		20-150%
	13C5-PFPeA	94%		20-150%
	13C5-PFHxA	95%		20-150%
	13C4-PFHpA	98%		20-150%
	13C8-PFOA	93%		20-150%
	13C9-PFNA	100%		20-150%
	13C6-PFDA	85%		20-150%
	13C7-PFUnDA	88%		20-150%
	13C2-PFDoDA	78%		20-150%
	13C2-PFTeDA	86%		20-150%
	13C3-PFBS	99%		20-150%
	13C3-PFHxS	94%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-EB-022323
Lab Sample ID: JD60806-4
Matrix: AQ - Equipment Blank
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/23/23
Date Received: 02/24/23
Percent Solids: n/a

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	96%		20-150%
	13C8-FOSA	99%		20-150%
	d3-MeFOSA	83%		20-150%
	d5-EtFOSA	82%		20-150%
	d3-MeFOSAA	88%		20-150%
	d5-EtFOSAA	86%		20-150%
	d7-MeFOSE	87%		20-150%
	d9-EtFOSE	87%		20-150%
	13C2-4:2FTS	106%		20-150%
	13C2-6:2FTS	108%		20-150%
	13C2-8:2FTS	107%		20-150%
	13C3-HFPO-DA	94%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ramboll
SITE NAME:	Lyndon Rd. Landfill
CONTRACTED LAB:	SGS Dayton, NJ
QA/QC LEVEL:	DUSR
EPA SOW/METHODS:	SW-846 Methods
VALIDATION GUIDELINES:	*USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS_SOP_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1)*; Professional Judgment
SAMPLE MATRIX:	Soil
TYPE OF ANALYSIS:	Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), 1,4-dioxane, Herbicides, Pesticides, Polychlorinated Biphenyls (PCB), Metals, Mercury, Cyanide
SDG NUMBER:	JD60906
SAMPLING DATES:	February 24, 2023

SAMPLES:

Client Sample #	Lab Sample #	VOC	SVOC
LR-MW06-0.2-1.0-022423	JD60906-3	X	X
LR-MW06-0.2-1.0-022423MS	JD60906-3MS	X	X
LR-MW06-0.2-1.0-022423MSD	JD60906-3MSD	X	X
LR-TB-022423	JD60906-5	X	

Client Sample #	Lab Sample #	1,4-Dioxane	HERB
LR-MW06-08-09-022423	JD60906-1	X	
LR-MW06-0.0-0.2-022423	JD60906-2	X	
LR-MW06-0.2-1.0-022423	JD60906-3		X
LR-MW06-0.2-1.0-022423MS	JD60906-3MS		X
LR-MW06-0.2-1.0-022423MSD	JD60906-3MSD		X

Client Sample #	Lab Sample #	PEST	PCB
LR-MW06-0.2-1.0-022423	JD60906-3	X	X
LR-MW06-0.2-1.0-022423MS	JD60906-3MS	X	X
LR-MW06-0.2-1.0-022423MSD	JD60906-3MSD	X	X

Client Sample #	Lab Sample #	Met/Hg	CN
LR-MW06-0.2-1.0-022423	JD60906-3	X	X
LR-MW06-0.2-1.0-022423MS	JD60906-3MS	X	
LR-MW06-0.2-1.0-022423MSD	JD60906-3MSD	X	

Suffix Codes: DL = DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Amy L. Hogan, Sandra Nacquin

DATA VALIDATION SUMMARY

SGS Dayton, New Jersey – JD60906 - Organics

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per SW846 Method 8260D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

The 26 days between sample collection and analysis for LR-TB-022423 exceeded the 14-day QC limit. The results for this sample, which were all non-detect, were qualified as estimated (UJ).

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

The Percent Difference (%D) for the standards run on 1/24/23 at 03:10 on instrument GCMS3C was -44.2% for methyl acetate, which exceeded the 30% QC limit. The non-detect result for this compound in associated samples LR-MW06-0.2-1.0-022423 was qualified as estimated (UJ).

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/22/23 at 10:11 on instrument GCMS2U

exceeded the 20% QC limit for the following compounds:

dichlorodifluoromethane	22.9%
chloromethane	24.8%
vinyl chloride	21.5%
acetone	110%
2-butanone	-40.7%
1,2-dibromo-3-chloropropane	-24.2%

The results for these compounds in the associated sample were previously qualified based on holding time criteria, so no further data qualification was necessary.

It was noted by the validator that the lab did not analyze a closing calibration standard. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Trip Blank:

There were no detections reported in the associated trip blank for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS / LCSD were analyzed by the laboratory for this SDG. Two Percent Recoveries (%Rs) exceeded the QC limits. Since there were no positive results for the compound in the SDG samples, no data qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using sample LR-MW06-0.2-1.0-022423. All criteria were met. No data qualification was necessary.

Batch QC data were also submitted for this fraction of the SDG. Data qualification based on Batch QC data was not required, so the results are not included in the report. No data qualification was necessary.

X.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOC)

SUMMARY

I.) General:

The analyses for Semivolatile Organics and for 1,4-dioxane as a Semivolatile Organic Compound (SVOC) were performed per SW-846 Method 8270E.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/1/23 at 14:04 on instrument GCMSCR exceeded the 20% QC limit for the following compounds:

2-nitrophenol	-31.0%
2-nitroaniline	-28.2%
2,4-dinitrophenol	-58.5%
4-nitroaniline	-31.9%
4,6-dinitro-2-methylphenol	-47.9%
di-n-butyl phthalate	-23.3%
butyl benzyl phthalate	-37.8%
3,3-dichlorobenzidine	-24.1%
Bis(2-ethylhexyl) phthalate	-31.1%
di-n-octyl phthalate	-22.8%

The results for these compounds in associated sample LR-MW06-0.2-1.0-022423, which were all non-detect, were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

There was no detection reported for the associated method blank. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS/ MSD analyses were performed using sample LR-MW06-0.2-1.0-022423 for the full SVOC list. Six Percent Recoveries (%Rs) and 5 Relative Percent Differences (RPDs) were outside the QC limits. Data qualification based on MS / MSD criteria alone was not required. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

HERBICIDES

SUMMARY

I.) General:

The analyses for Herbicides were performed per SW846 Method 8151A.

II.) Overall Assessment of Data:

The non-detect dalapon, MCPA and MCPP results for the SDG sample were rejected (R) based on low LCS recoveries.

All other laboratory data were acceptable with qualifications.

MAJOR ISSUES

I.) Laboratory Control Sample (LCS):

The Percent Recoveries (%Rs) were below the QC limits for the following compounds:

Dalapon	11%
MCPA	49%
MCPP	75%

The results for these compounds in the SDG sample, which were all non-detect, were rejected (R).

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%D) for the standards run on 2/28/23 at 20:33 on column II of

instrument GCOA exceeded the 20% QC limit for the following compounds:

MCPP	24.6%
MCPA	26.9%
2,4,5-T	-20.7%

The results for these compounds in the SDG sample, which were all non-detect, were qualified as estimated (UJ) unless previously rejected based on LCS criteria.

III.) Blanks:

Method Blanks:

There were no detections reported in the associated method blanks. No data qualification was necessary.

IV.) Surrogate Recoveries:

The Surrogate Compounds were diluted out of the sample. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

Please see the Major Issues section for this fraction of the SDG.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using the SDG sample. Since the sample was diluted after preparation, the results were not considered meaningful. No data qualification was necessary.

VII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

VIII.) TCL Compound Identification:

All Compound Identification criteria were met. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

PESTICIDES

SUMMARY

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

All Continuing Calibration criteria were met. No data qualification was necessary.

IV.) Blanks:

Method Blanks:

There were no detections reported in the associated method blanks. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using the SDG sample. Seven Percent Recoveries (%Rs) and eight Relative Percent Differences (RPDs) were outside the QC limits. Data qualification based on MS / MSD criteria alone was not required. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

IX.) TCL Compound Identification:

The Confirmation Column Relative Percent Difference (RPD) exceeded the 25% QC limit for the following compounds for the SDG sample:

Alpha chlordane	37.4%
Dieldrin	30.4%
4,4'-DDD	70.4%

The positive results for these compounds in the sample were qualified as estimated (J).

X.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

POLYCHLORINATED BIPHENYLS (PCB)

SUMMARY

I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/3/23 at 12:51 on instrument GCRM exceeded the 20% QC limit for the following compound peaks:

TCMX	-21.2%
Aroclor 1016 (A)	-24.8%
Aroclor 1016 (B)	-23.6/-20.2%
Aroclor 1016 (C)	-21.7%
Aroclor 1016 (D)	-22.0%
Aroclor 1016 (E)	-20.9%

The Aroclor 1016 result for the sample, which was non-detect, was qualified as estimated (UJ). Since TCMX is a surrogate compound, no further data qualification was necessary.

III.) Blanks:

Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using the SDG sample. All criteria were met. No data qualification was necessary.

VII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IXI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL METALS

SUMMARY

I.) General:

The analyses for Total Metals were performed per SW846 Method 6010D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL criteria were met. No data qualification was necessary.

IV.) Blanks:

Calibration Blanks:

There were no detections reported in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections reported in the associated preparation blank. No data qualification was necessary.

V.) Interference Check Sample (ICS) Results:

All ICS criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using the SDG sample. The parent sample result for calcium was greater than 4X the spike concentration, so the results for this analyte were not considered meaningful. The Percent Recoveries (%R) were outside the QC limits for the following analytes:

Analyte	MS, %R	MSD, %R
Aluminum	230%	219.9%
Antimony	69%	68.5%
Iron	136%	130%
Lead	49.4	
Magnesium	56.5%	13.7%
Potassium	143.3%	138.8%

The post spike results for antimony and potassium were within the QC limits. Post spike results for iron were not submitted. The positive iron result for the sample was qualified as estimated biased high (J+) and the non-detect antimony result for the sample was qualified as estimated (UJ). The matrix spike analysis for aluminum, iron, magnesium and potassium is not required for soil samples, the results for these analytes were not qualified.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VIII.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using the SDG sample. All criteria were met. No data qualification was necessary.

IX.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL MERCURY

SUMMARY

I.) General:

The analyses for Total Mercury were performed per SW846 Method 7471A.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

IV.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There weas no detection reported in the associated preparation blank. No data qualification was necessary.

V.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using the SDG sample. All criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VII.) Serial Dilution Analysis:

Serial Dilution Analysis was not required for this fraction of the SDG. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL CYANIDE

SUMMARY

I.) General:

The analyses for Total Cyanide were performed per SW846 Method 9012B.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

MS / MD analyses were performed using the SDG sample. All criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

Appendix A
Qualified Form Is

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-08-09-022423		
Lab Sample ID:	JD60906-1	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	73.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR567.D	1	03/01/23 19:08	JY	03/01/23 13:00	OP44940	ECR24
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.044	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	53%		10-109%
321-60-8	2-Fluorobiphenyl	56%		11-109%
1718-51-0	Terphenyl-d14	65%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-0.0-0.2-022423		
Lab Sample ID:	JD60906-2	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	74.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR574.D	1	03/01/23 21:20	JY	03/01/23 13:00	OP44940	ECR24
Run #2							

	Initial Weight	Final Volume
Run #1	32.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.041	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	51%		10-109%
321-60-8	2-Fluorobiphenyl	50%		11-109%
1718-51-0	Terphenyl-d14	60%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8260D	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C182049.D	1	03/03/23 14:44	CL	n/a	n/a	V3C7968
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.011	0.0045	mg/kg	
71-43-2	Benzene	ND	0.00055	0.00050	mg/kg	
74-97-5	Bromochloromethane	ND	0.0055	0.00061	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	0.00047	mg/kg	
75-25-2	Bromoform	ND	0.0055	0.0015	mg/kg	
74-83-9	Bromomethane	ND	0.0055	0.00083	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0027	mg/kg	
75-15-0	Carbon disulfide	ND	0.0022	0.00058	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	0.00067	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	0.00050	mg/kg	
75-00-3	Chloroethane	ND	0.0055	0.00065	mg/kg	
67-66-3	Chloroform	ND	0.0022	0.00057	mg/kg	
74-87-3	Chloromethane	ND	0.0055	0.0021	mg/kg	
110-82-7	Cyclohexane	ND	0.0022	0.00072	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0022	0.00076	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0022	0.00061	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00046	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00060	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00054	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00054	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0055	0.00079	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00054	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00051	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00072	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00092	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00067	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0022	0.00052	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	0.00052	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	0.00050	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00049	mg/kg	
76-13-1	Freon 113	ND	0.0055	0.0029	mg/kg	
591-78-6	2-Hexanone	ND	0.0055	0.0023	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8260D	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0022	0.0016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0055	0.0015	mg/kg	UJ
108-87-2	Methylcyclohexane	ND	0.0022	0.00096	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00051	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0055	0.0025	mg/kg	
75-09-2	Methylene chloride	ND	0.0055	0.0028	mg/kg	
100-42-5	Styrene	ND	0.0022	0.00044	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0022	0.00065	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	0.00063	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00057	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0055	0.0027	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0055	0.0027	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	0.00053	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	0.00060	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00083	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0055	0.00075	mg/kg	
75-01-4	Vinyl chloride	ND	0.0022	0.00053	mg/kg	
	m,p-Xylene	ND	0.0011	0.00098	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00050	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00050	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-124%
17060-07-0	1,2-Dichloroethane-D4	100%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	95%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ALH 6/28/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CR578.D	5	03/01/23 22:35	JY	03/01/23 13:00	OP44940	ECR24
Run #2							

	Initial Weight	Final Volume
Run #1	31.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.37	0.091	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.92	0.11	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.92	0.16	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.92	0.33	mg/kg	
51-28-5	2,4-Dinitrophenol [b]	ND UJ	0.92	0.69	mg/kg	
534-52-1	4,6-Dinitro-o-cresol [b]	NDUJ	0.92	0.20	mg/kg	
95-48-7	2-Methylphenol	ND	0.37	0.12	mg/kg	
	3&4-Methylphenol	ND	0.37	0.15	mg/kg	
88-75-5	2-Nitrophenol [b]	ND UJ	0.92	0.12	mg/kg	
100-02-7	4-Nitrophenol	ND	1.8	0.49	mg/kg	
87-86-5	Pentachlorophenol	ND	0.74	0.17	mg/kg	
108-95-2	Phenol	ND	0.37	0.096	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.92	0.12	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.92	0.14	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.92	0.11	mg/kg	
83-32-9	Acenaphthene	ND	0.18	0.064	mg/kg	
208-96-8	Acenaphthylene	ND	0.18	0.094	mg/kg	
98-86-2	Acetophenone	ND	0.92	0.040	mg/kg	
120-12-7	Anthracene	ND	0.18	0.11	mg/kg	
1912-24-9	Atrazine	ND	0.37	0.079	mg/kg	
56-55-3	Benzo(a)anthracene	0.0968	0.18	0.052	mg/kg	J
50-32-8	Benzo(a)pyrene	0.117	0.18	0.084	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.139	0.18	0.082	mg/kg	J
191-24-2	Benzo(g,h,i)perylene	0.118	0.18	0.092	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.18	0.086	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.37	0.071	mg/kg	
85-68-7	Butyl benzyl phthalate [b]	ND UJ	0.37	0.045	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.37	0.025	mg/kg	
100-52-7	Benzaldehyde	ND	0.92	0.046	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.37	0.044	mg/kg	
106-47-8	4-Chloroaniline	ND	0.92	0.067	mg/kg	
86-74-8	Carbazole	ND	0.37	0.027	mg/kg	

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-0.2-1.0-022423
Lab Sample ID: JD60906-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 84.8

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.37	0.073	mg/kg	
218-01-9	Chrysene	0.0907	0.18	0.058	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.37	0.040	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.37	0.080	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.37	0.066	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.37	0.060	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.18	0.057	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.18	0.093	mg/kg	
91-94-1	3,3'-Dichlorobenzidine [b]	ND UJ	0.37	0.15	mg/kg	
123-91-1	1,4-Dioxane	ND	0.18	0.12	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.18	0.082	mg/kg	
132-64-9	Dibenzofuran	ND	0.37	0.075	mg/kg	
84-74-2	Di-n-butyl phthalate [b]	ND UJ	0.37	0.030	mg/kg	
117-84-0	Di-n-octyl phthalate [b]	ND UJ	0.37	0.046	mg/kg	
84-66-2	Diethyl phthalate	ND	0.37	0.039	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.37	0.033	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND UJ	0.37	0.043	mg/kg	
206-44-0	Fluoranthene	0.151	0.18	0.082	mg/kg	J
86-73-7	Fluorene	ND	0.18	0.085	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.37	0.047	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.18	0.074	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.8	0.074	mg/kg	
67-72-1	Hexachloroethane	ND	0.92	0.091	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0916	0.18	0.087	mg/kg	J
78-59-1	Isophorone	ND	0.37	0.040	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.18	0.042	mg/kg	
88-74-4	2-Nitroaniline [b]	ND UJ	0.92	0.044	mg/kg	
99-09-2	3-Nitroaniline	ND	0.92	0.046	mg/kg	
100-01-6	4-Nitroaniline [b]	ND UJ	0.92	0.048	mg/kg	
91-20-3	Naphthalene	ND	0.18	0.052	mg/kg	
98-95-3	Nitrobenzene	ND	0.37	0.071	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.37	0.053	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.92	0.068	mg/kg	
85-01-8	Phenanthrene	0.0963	0.18	0.062	mg/kg	J
129-00-0	Pyrene	0.155	0.18	0.059	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.92	0.047	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		10-99%

ALH 6/28/23

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		10-96%
118-79-6	2,4,6-Tribromophenol	63%		10-123%
4165-60-0	Nitrobenzene-d5	62%		10-109%
321-60-8	2-Fluorobiphenyl	62%		11-109%
1718-51-0	Terphenyl-d14	71%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	2.88	.83	mg/kg	J
	System artifact	3.31	.76	mg/kg	J
	Dibenzopyrene	9.34	1.5	mg/kg	J
	Dibenzopyrene	9.54	1.6	mg/kg	J
	Dibenzopyrene	10.55	.84	mg/kg	J
	Unknown	10.68	.86	mg/kg	J
	Total TIC, Semi-Volatile		4.8	mg/kg	J

(a) Dilution required due to viscosity of the extract matrix.
(b) Associated CCV outside of control limits high, sample was ND.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OA165228.D	10	02/28/23 23:19	RK	02/28/23 11:00	OP44941	GOA5837
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.18	0.098	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.036	0.020	mg/kg	
93-76-5	2,4,5-T	ND UJ	0.036	0.018	mg/kg	
75-99-0	Dalapon	ND R	0.036	0.022	mg/kg	
1918-00-9	Dicamba	ND	0.036	0.019	mg/kg	
120-36-5	Dichloroprop	ND	0.18	0.098	mg/kg	
88-85-7	Dinoseb	ND	0.18	0.11	mg/kg	
94-74-6	MCPA	ND R	18	10	mg/kg	
93-65-2	MCPP	ND R	18	15	mg/kg	
87-86-5	Pentachlorophenol	ND	0.018	0.0059	mg/kg	
94-82-6	2,4-DB	ND	0.18	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	5% [b]		10-138%
19719-28-9	2,4-DCAA	5% [b]		10-138%

(a) Dilution required due to viscosity of the extract matrix.
(b) Outside control limits due to matrix interference and dilution.

ALH 6/28/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G46616.D	1	03/02/23 05:05	RK	02/28/23 16:00	OP44937	G8G2023
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00023	0.000091	mg/kg	
319-84-6	alpha-BHC	ND	0.00023	0.000054	mg/kg	
319-85-7	beta-BHC	ND	0.00023	0.000068	mg/kg	
319-86-8	delta-BHC	ND	0.00023	0.000070	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00023	0.000082	mg/kg	
5103-71-9	alpha-Chlordane	0.00089	0.00023	0.000063	mg/kg	J
5103-74-2	gamma-Chlordane	0.00081	0.00023	0.000070	mg/kg	
60-57-1	Dieldrin	0.00053	0.00023	0.000075	mg/kg	J
72-54-8	4,4'-DDD [a]	0.00035	0.00023	0.000049	mg/kg	J
72-55-9	4,4'-DDE	0.00081	0.00023	0.000056	mg/kg	
50-29-3	4,4'-DDT	0.0016	0.00023	0.000082	mg/kg	
72-20-8	Endrin	ND	0.00023	0.000068	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00023	0.000056	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00023	0.00014	mg/kg	
959-98-8	Endosulfan-I	ND	0.00023	0.000063	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00023	0.000065	mg/kg	
76-44-8	Heptachlor	ND	0.00023	0.000061	mg/kg	
1024-57-3	Heptachlor epoxide	0.00041	0.00023	0.000084	mg/kg	
72-43-5	Methoxychlor	ND	0.00047	0.00018	mg/kg	
53494-70-5	Endrin ketone	ND	0.00023	0.000075	mg/kg	
8001-35-2	Toxaphene	ND	0.0058	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		50-150%
877-09-8	Tetrachloro-m-xylene	91%		50-150%
2051-24-3	Decachlorobiphenyl	67%		50-150%
2051-24-3	Decachlorobiphenyl	86%		50-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ALH 6/28/23

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-MW06-0.2-1.0-022423
Lab Sample ID: JD60906-3
Matrix: SO - Soil
Method: SW846 8082A SW846 3570
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 84.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM4701.D	1	03/03/23 10:39	RK	02/28/23 16:00	OP44938	GRM126
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND UJ	0.012	0.0022	mg/kg	
11104-28-2	Aroclor 1221	ND	0.012	0.0031	mg/kg	
11141-16-5	Aroclor 1232	ND	0.012	0.0030	mg/kg	
53469-21-9	Aroclor 1242	ND	0.012	0.0023	mg/kg	
12672-29-6	Aroclor 1248	ND	0.012	0.0051	mg/kg	
11097-69-1	Aroclor 1254	ND	0.012	0.0019	mg/kg	
11096-82-5	Aroclor 1260	0.0079	0.012	0.0035	mg/kg	J
11100-14-4	Aroclor 1268	ND	0.012	0.0025	mg/kg	
37324-23-5	Aroclor 1262	ND	0.012	0.0037	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%		50-150%
877-09-8	Tetrachloro-m-xylene	114%		50-150%
2051-24-3	Decachlorobiphenyl	98%		50-150%
2051-24-3	Decachlorobiphenyl	118%		50-150%

ALH 6/28/23

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-0.2-1.0-022423
Lab Sample ID: JD60906-3
Matrix: SO - Soil
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 84.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6380	62	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.5 UJ	2.5	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.3	2.5	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	79.2	25	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.41	0.25	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.62	0.62	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	35500	1200	mg/kg	2	02/28/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	9.4	1.2	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.2	6.2	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	13.5	3.1	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	11500 J+	62	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	446	2.5	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	11000	620	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	363	1.9	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.055	0.038	mg/kg	1	02/27/23	02/28/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.8	5.0	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	0.81	0.62	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	14.4	6.2	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	130	6.2	mg/kg	1	02/28/23	03/01/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA53795
(2) Instrument QC Batch: MA53814
(3) Prep QC Batch: MP38086
(4) Prep QC Batch: MP38100

ALH 6/28/23

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
		Percent Solids:	84.8
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.36	0.26	mg/kg	1	02/28/23 12:35	MM	SW846 9012B/LACHAT
Solids, Percent	84.8		%	1	02/27/23 13:29	MP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TB-022423		
Lab Sample ID:	JD60906-5	**Date Sampled:**	02/24/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	02/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2U54555.D	1	03/22/23 20:42	NW	n/a	n/a	V2U2135
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	10	3.1	ug/l	UJ
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [c]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [b]	ND	5.0	2.0	ug/l	

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TB-022423		
Lab Sample ID:	JD60906-5	**Date Sampled:**	02/24/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	02/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND UJ	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [c]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.96	5	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Sample analyzed outside the holding time.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ALH 6/28/23

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N = Indicates presumptive evidence of a compound

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DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Soil and Water
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD60906
SAMPLING DATE(S):	February 24, 2023
REPORT DATE:	May 31, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
LR-MW06-08-09-022423	JD60906-1A	X
LR-MW06-0.0-0.2-022423	JD60906-2A	X
LR-MW06-0.2-1.0-022423	JD60906-3A	X
LR-MW06-0.2-1.0-022423MS	JD60906-3AMS	X
LR-MW06-0.2-1.0-022423MSD	JD60906-3AMSD	X
LR-EB-022423	JD60906-4	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD60906

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all PFAS samples as listed on the Chain-of-Custody (COC).

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements. The samples were extracted and analyzed within the method hold times.

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

All Continuing Calibration Verification criteria were met. No data qualification was necessary.

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Method blank, OP95742MB for soils and OP95749MB for aqueous, were both free from contamination. No data qualification was necessary based on method blank contamination.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued with the samples in this sample delivery group. No qualification was made.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Equipment blank, JD60906-4 was free from contamination. No data were qualified based on equipment blank contamination.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analysis was performed on sample LR-MW06-0.2-1.0-022423. All MS/MSD criteria were met. No data qualification was necessary.

VII.) Laboratory Control Samples (LCS):

Soil LCS (blank spike) OP95742 reported the recovery for PFDS < the 70% lower control limit. The following qualification was made based on this finding.

Client ID	Lab ID	Analyte	Qualifier
LR-MW06-08-09-022423	JD60906-1A	PFDoS	UJ
LR-MW06-0.0-0.2-022423	JD60906-2A	PFDoS	UJ
LR-MW06-0.2-1.0-022423	JD60906-3A	PFDoS	UJ

Aqueous LCS OP95749 met QC criteria. No data were qualified based on the aqueous LCS.

VIII.) Field Duplicates:

There were no field duplicate samples identified with this SDG. No evaluation was made.

IX.) Extracted Internal Standards (EIS):

All EIS recoveries were within the 50%-150% limits. No data qualification was made based on EIS recoveries.

X.) Ion Transitions:

All ion transitions criteria were met. No qualification was necessary.

XI.) Reporting limits (RLs):

All reporting limits were met. One sample result was greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. This qualifier was confirmed by the validator.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	Lab ID	Analyte	Qualifier
LR-MW06-08-09-022423	JD60906-1A	PFDoS	UJ
LR-MW06-0.0-0.2-022423	JD60906-2A	PFDoS	UJ
LR-MW06-0.2-1.0-022423	JD60906-3A	PFDoS	UJ

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

Attachment C

Stage 4 Data Confirmation Calculations

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-08-09-022423		
Lab Sample ID:	JD60906-1A	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q14578.D	1	03/09/23 03:13	AFL	03/06/23 10:40	F:OP95742	F:S6Q220
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00068	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00055	0.00014	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00027	0.00014	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00027	0.00014	mg/kg	
335-67-1	Perfluorooctanoic acid	ND	0.00027	0.00014	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00027	0.00016	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00027	0.00014	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00014	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00014	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00014	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00022	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00020	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.00027	0.00014	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00025	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00020	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00021	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00055	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00055	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00082	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00014	mg/kg	
31506-32-8	MeFOSA	ND	0.00027	0.00019	mg/kg	
4151-50-2	EtFOSA	ND	0.00027	0.00014	mg/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 5/31/23

Report of Analysis

Client Sample ID:	LR-MW06-08-09-022423		
Lab Sample ID:	JD60906-1A	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.6
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00022	mg/kg	
2991-50-6	EtFOSAA	ND	0.00027	0.00027	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0014	mg/kg	
1691-99-2	EtFOSE	ND	0.0027	0.0014	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00040	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00046	mg/kg	
377-73-1	PFMPA	ND	0.00055	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00055	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00055	0.00033	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00060	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00055	mg/kg	
113507-82-7	PFEESA	ND	0.00055	0.00027	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00070	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0068	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0068	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	72%		20-150%
	13C5-PFPeA	73%		20-150%
	13C5-PFHxA	69%		20-150%
	13C4-PFHpA	73%		20-150%
	13C8-PFOA	74%		20-150%
	13C9-PFNA	69%		20-150%
	13C6-PFDA	73%		20-150%
	13C7-PFUnDA	73%		20-150%
	13C2-PFDoDA	67%		20-150%
	13C2-PFTeDA	59%		20-150%
	13C3-PFBS	70%		20-150%
	13C3-PFHxS	68%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-08-09-022423
Lab Sample ID: JD60906-1A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 73.6

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	72%		20-150%
	13C8-FOSA	72%		20-150%
	d3-MeFOSA	66%		20-150%
	d5-EtFOSA	60%		20-150%
	d3-MeFOSAA	79%		20-150%
	d5-EtFOSAA	69%		20-150%
	d7-MeFOSE	61%		20-150%
	d9-EtFOSE	55%		20-150%
	13C2-4:2FTS	86%		20-150%
	13C2-6:2FTS	79%		20-150%
	13C2-8:2FTS	73%		20-150%
	13C3-HFPO-DA	71%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-0.0-0.2-022423		
Lab Sample ID:	JD60906-2A	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	74.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q14579.D	1	03/09/23 03:27	AFL	03/06/23 10:40	F:OP95742	F:S6Q220
Run #2							

	Initial Weight	Final Volume
Run #1	4.96 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00067	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00054	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00027	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00027	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	ND	0.00027	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00027	0.00016	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00027	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00020	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00065	0.00027	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00081	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00027	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00027	0.00014	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL5/31/23

Report of Analysis

Client Sample ID:	LR-MW06-0.0-0.2-022423		
Lab Sample ID:	JD60906-2A	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	74.7
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00027	0.00027	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0027	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00039	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00054	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00054	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00054	0.00033	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00059	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00054	mg/kg	
113507-82-7	PFEESA	ND	0.00054	0.00027	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00069	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0067	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0067	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	77%		20-150%
	13C5-PFPeA	76%		20-150%
	13C5-PFHxA	77%		20-150%
	13C4-PFHpA	81%		20-150%
	13C8-PFOA	83%		20-150%
	13C9-PFNA	74%		20-150%
	13C6-PFDA	89%		20-150%
	13C7-PFUnDA	81%		20-150%
	13C2-PFDoDA	77%		20-150%
	13C2-PFTeDA	71%		20-150%
	13C3-PFBS	70%		20-150%
	13C3-PFHxS	66%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-0.0-0.2-022423
Lab Sample ID: JD60906-2A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 74.7

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	72%		20-150%
	13C8-FOSA	68%		20-150%
	d3-MeFOSA	62%		20-150%
	d5-EtFOSA	64%		20-150%
	d3-MeFOSAA	74%		20-150%
	d5-EtFOSAA	75%		20-150%
	d7-MeFOSE	62%		20-150%
	d9-EtFOSE	54%		20-150%
	13C2-4:2FTS	87%		20-150%
	13C2-6:2FTS	86%		20-150%
	13C2-8:2FTS	80%		20-150%
	13C3-HFPO-DA	76%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3A	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q14582.D	1	03/09/23 04:09	AFL	03/06/23 10:40	F:OP95742	F:S6Q220
Run #2							

	Initial Weight	Final Volume
Run #1	4.95 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00095	0.00060	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00048	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	ND	0.00024	0.00012	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00017	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00036	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00095	0.00048	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00095	0.00048	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00095	0.00071	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00016	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL5/31/23

Report of Analysis

Client Sample ID:	LR-MW06-0.2-1.0-022423		
Lab Sample ID:	JD60906-3A	**Date Sampled:**	02/24/23
Matrix:	SO - Soil	**Date Received:**	02/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	84.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00024	0.00023	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00095	0.00034	mg/kg	
919005-14-4	ADONA	ND	0.00095	0.00040	mg/kg	
377-73-1	PFMPA	ND	0.00048	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00048	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00048	0.00029	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00095	0.00052	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00095	0.00048	mg/kg	
113507-82-7	PFEESA	ND	0.00048	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00061	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0060	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0060	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	77%		20-150%
	13C5-PFPeA	74%		20-150%
	13C5-PFHxA	76%		20-150%
	13C4-PFHpA	75%		20-150%
	13C8-PFOA	72%		20-150%
	13C9-PFNA	74%		20-150%
	13C6-PFDA	76%		20-150%
	13C7-PFUnDA	70%		20-150%
	13C2-PFDoDA	72%		20-150%
	13C2-PFTeDA	64%		20-150%
	13C3-PFBS	80%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-0.2-1.0-022423
Lab Sample ID: JD60906-3A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/24/23
Date Received: 02/25/23
Percent Solids: 84.8

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	72%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	67%		20-150%
	d5-EtFOSA	63%		20-150%
	d3-MeFOSAA	70%		20-150%
	d5-EtFOSAA	73%		20-150%
	d7-MeFOSE	61%		20-150%
	d9-EtFOSE	57%		20-150%
	13C2-4:2FTS	89%		20-150%
	13C2-6:2FTS	85%		20-150%
	13C2-8:2FTS	92%		20-150%
	13C3-HFPO-DA	75%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-EB-022423		
Lab Sample ID:	JD60906-4	**Date Sampled:**	02/24/23
Matrix:	AQ - Equipment Blank	**Date Received:**	02/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q14539.D	1	03/08/23 18:07	AFL	03/06/23 13:20	F:OP95749	F:S6Q220
Run #2							

	Initial Volume	Final Volume
Run #1	565 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0071	0.0035	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0035	0.00088	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00044	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00044	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00088	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00099	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00088	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0071	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0071	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0071	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-022423		
Lab Sample ID:	JD60906-4	**Date Sampled:**	02/24/23
Matrix:	AQ - Equipment Blank	**Date Received:**	02/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0071	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0071	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0071	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0071	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	99%		20-150%
	13C5-PFPeA	100%		20-150%
	13C5-PFHxA	101%		20-150%
	13C4-PFHpA	101%		20-150%
	13C8-PFOA	99%		20-150%
	13C9-PFNA	94%		20-150%
	13C6-PFDA	86%		20-150%
	13C7-PFUnDA	80%		20-150%
	13C2-PFDoDA	77%		20-150%
	13C2-PFTeDA	75%		20-150%
	13C3-PFBS	94%		20-150%
	13C3-PFHxS	91%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-022423		
Lab Sample ID:	JD60906-4	**Date Sampled:**	02/24/23
Matrix:	AQ - Equipment Blank	**Date Received:**	02/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	89%		20-150%
	13C8-FOSA	86%		20-150%
	d3-MeFOSA	74%		20-150%
	d5-EtFOSA	80%		20-150%
	d3-MeFOSAA	94%		20-150%
	d5-EtFOSAA	80%		20-150%
	d7-MeFOSE	79%		20-150%
	d9-EtFOSE	77%		20-150%
	13C2-4:2FTS	110%		20-150%
	13C2-6:2FTS	111%		20-150%
	13C2-8:2FTS	112%		20-150%
	13C3-HFPO-DA	93%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ramboll
SITE NAME:	Lyndon Rd. Landfill
CONTRACTED LAB:	SGS Dayton, NJ
QA/QC LEVEL:	DUSR
EPA SOW/METHODS:	SW-846 Methods
VALIDATION GUIDELINES:	*USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS_SOP_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1)*; Professional Judgment
SAMPLE MATRICES:	Soil & Water
TYPE OF ANALYSIS:	Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), 1,4-dioxane, Herbicides, Pesticides, Polychlorinated Biphenyls (PCB), Metals, Mercury, Cyanide
SDG NUMBER:	JD60984
SAMPLING DATES:	February 27, 2023

SAMPLES:

Client Sample #	Lab Sample #	VOC	SVOC
LR-MW07-0.0-0.5-022723	JD60984-1	X	
LR-MW07-0.0-0.2-022723	JD60984-2		X
DUP-022723	JD60984-6	X	X
TB-022723	JD60984-8	X	

Client Sample #	Lab Sample #	1,4-Dioxane	HERB
LR-MW07-0.0-0.2-022723	JD60984-2		X
LR-MW07-0.0-0.2-022723MS	JD60984-2MS		X
LR-MW07-0.0-0.2-022723MSD	JD60984-2MSD		X
LR-MW07-0.2-1.0-022723	JD60984-3	X	
LR-MW07-0.2-1.0-022723MS	JD60984-3MS	X	
LR-MW07-0.2-1.0-022723MSD	JD60984-3MSD	X	
LR-MW05-0.0-0.2-022723	JD60984-4	X	
LR-MW05-0.0-0.2-022723RE	JD60984-4RE	X	
LR-MW05-0.2-1.0-022723	JD60984-5	X	
DUP-022723	JD60984-6		X
LR-MW07-22-24-022723	JD60984-9	X	

Client Sample #	Lab Sample #	PEST	PCB
LR-MW07-0.0-0.2-022723	JD60984-2	X	X
LR-MW07-0.0-0.2-022723MS	JD60984-2MS		X
LR-MW07-0.0-0.2-022723MSD	JD60984-2MSD		X
DUP-022723	JD60984-6	X	X

Client Sample #	Lab Sample #	Met/Hg	CN
LR-MW07-0.0-0.2-022723	JD60984-2	X	X
LR-MW07-0.0-0.2-022723DL	JD60984-2DL	X	
LR-MW07-0.0-0.2-022723MD	JD60984-2MD		X
LR-MW07-0.0-0.2-022723MS	JD60984-2MS		X
DUP-022723	JD60984-6	X	X

Suffix Codes: DL = DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Amy L. Hogan, Sandra Nacquin

DATA VALIDATION SUMMARY

SGS Dayton, New Jersey – JD60984 - Organics

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per SW846 Method 8260D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

The Percent Difference (%D) for the standards run on 1/21/23 at 23:34 on instrument GCMSI was 34.9% for acetone, which exceeded the 30% QC limit. The positive and non-detect acetone results for the soil samples were qualified as estimated (J) and (UJ).

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/3/23 at 12:48 on instrument GCMSI exceeded the 20% QC limit for the following compounds:

4-methyl-2-pentanone	-20.5%
2-hexanone	-20.8%
Styrene	-20.3%

The results for these compounds in the soil SDG samples, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/1/23 at 21:27 on instrument GCMSL exceeded the 20% QC limit for the following compounds:

Acetone	40.6%
Carbon disulfide	23.7%
2-butanone	26.1%
2-hexanone	22.4%

The results for these compounds in sample TB-022723, which were all non-detect, were qualified as estimated (UJ).

It was noted by the validator that the lab did not analyze a closing calibration standard. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Trip Blank:

There were no detections reported in the associated trip blank for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. All criteria were met. No data

qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD data were submitted for this fraction of the SDG. Data qualification based on Batch QC data was not required, so the results are not included in the report. No data qualification was necessary.

X.) Field Duplicates:

One set of field duplicate samples (LR-MW07-0.0-0.5-022723 / DUP-022723) was identified as part of this SDG. There were no calculable Relative Percent Differences. The calculable difference for acetone was less than the RL and the calculable difference for methyl acetate was greater than the RL. Data qualification based on field duplicate results was not required. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOC)

SUMMARY

I.) General:

The analyses for Semivolatile Organics and for 1,4-dioxane as a Semivolatile Organic Compound (SVOC) were performed per SW-846 Method 8270E.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/1/23 at 17:03 on instrument GCMS6P exceeded the 20% QC limit for the following compounds:

n-nitroso-di-n-propylamine	-22.9%
hexachlorocyclopentadiene	38.9%
2-nitroaniline	-25.9%
Pentachlorophenol	21.9%

The results for these compounds in samples LR-MW07-0.0-0.2-022723 and DUP-022723, which were all non-detect, were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

There was no detection reported for the associated method blank. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS/ MSD analyses were performed using sample LR-MW07-0.2-1.0-022723 for the full SVOC list. One Percent Recovery (%R) and 2 Relative Percent Differences (RPDs) were outside the QC limits. Data qualification based on MS / MSD criteria alone was not required. No data qualification was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (LR-MW07-0.0-0.2-022723 / DUP-022723) was identified for this SDG. The calculable Relative Percent Differences (RPDs) were:

Benzo(a)anthracene	43%
Benzo(a)pyrene	27%
Benzo(b)fluoranthene	28%
benzo(g,h,i)perylene	14%
benzo(k)fluoranthene	0.7%
chrysene	37%
dibenzo(a,h) anthracene	4.9%
fluoranthene	42%
indeno(1,2,3-cd) pyrene	14%
phenanthrene	61%
pyrene	47%

The RPDs were all within 50% and the calculable differences for carbazole and anthracene were less than the RL. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

The area count Percent Recoveries (%Rs) for chrysene-d12 (39%) and perylene-d12 (42%) for LR-MW05-0.0-0.2-022723 were below the QC limits. The lab reanalyzed the sample with similar results as a confirmation analysis only. Since the target compound for this sample was not quantitated against either of these ISTD, no data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

HERBICIDES

SUMMARY

I.) General:

The analyses for Herbicides were performed per SW846 Method 8151A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%D) for the standards run on 3/3/23 at 13:19 on instrument GC9G were

-22.8% and -20.6% for dinoseb, which exceeded the 20% QC limit. The non-detect dinoseb results for both SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/3/23 at 18:08 on instrument GC9G were -25.4% and -25.8% for MCPP and 29.3% for dinoseb, which exceeded the 20% QC limit. The non-detect results for these compounds in both SDG samples were qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections reported in the associated method blanks. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG sample LR-MW07-0.0-0.2-022723. Three Percent Recoveries (%Rs) and all 11 Relative Percent Differences (RPDs) were outside the QC limits. Data qualification based on MS / MSD criteria alone was not required. No data qualification was necessary.

VII.) Field Duplicates:

One set of field duplicate samples (LR-MW07-0.0-0.2-022723 / DUP-022723) was identified as part of this SDG. There were no calculable Relative Percent Differences or differences, so no data qualification was necessary.

VIII.) TCL Compound Identification:

All Compound Identification criteria were met. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

PESTICIDES

SUMMARY

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/10/23 at 21:17 on instrument GC1G were -25.4% and -28.5% for delta BHC and -24.9% and -24.7% for endrin ketone, which exceeded the 20% QC limit. The non-detect results for these compounds in associated sample LR-MW07-0.0-0.2-022723 were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/10/23 at 17:17 on instrument GC6G exceeded the 20% QC limit for the following compounds:

Alpha BHC	-23.2%
Delta BHC	-39.5%
Aldrin	-20.6%
Heptachlor epoxide	-20.3%
Methoxychlor	27.0%

The results for these compounds in associated sample DUP-022723, which were all non-detect, were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

4,4'-DDT (1.6 ug/kg) was reported in associated method blank OP45143-MB1. Since the blank result was greater than the RL, the 4,4'-DDT result for associated sample DUP-022723, which was greater than the RL but less than the blank concentration, was qualified as undetected (UJ).

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. Seven Percent Recoveries (%Rs) exceeded the QC limits. Since the associated sample results for these compounds were non-detect, no data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. Several %Rs were outside the QC limits. Data qualification based on batch QC results were not required, so no data qualification was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (LR-MW07-0.0-0.2-022723 / DUP-022723) was identified as part of this SDG. The calculable Relative Percent Difference (RPD) for dieldrin at 51% exceeded the advisory 50% QC limit. The calculable difference for gamma BHC was less than the RL and the calculable difference for 4,4'-DDT was greater than the RL. Data qualification based on field

duplicate results was not required. No data qualification was necessary.

IX.) TCL Compound Identification:

The Confirmation Column Relative Percent Difference (RPD) exceeded the 25% QC limit for the following compounds:

LR-MW07-0.0-0.2-022723	dieldrin	51.0%
	4,4'-DDT	58.8%
DUP-022723	4,4-DDT	54.1%

The positive results for the listed compounds for LR-MW-0.0-0.2-022723 were qualified as estimated (J). Since the result for the listed compound for DUP-022723 was previously qualified as undetected (U) based on method blank contamination, no further data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

POLYCHLORINATED BIPHENYLS (PCB)

SUMMARY

I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/2/23 at 04:55 on instrument GCXX was -21.8% for Aroclor 1016 (A), which exceeded the 20% QC limit. The Aroclor 1016 results for both samples, which were non-detect, were qualified as estimated (UJ).

The Percent Difference (%D) for the standards run on 3/2/23 at 08:03 on instrument GCXX was -20.8% for Aroclor 1260 (C), which exceeded the 20% QC limit. The Aroclor 1260 results for both samples, which were non-detect, were qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using the SDG sample. All criteria were met. No data qualification was necessary.

VII.) Field Duplicates:

One set of field duplicate samples (LR-MW07-0.0-0.2-022723 / DUP-022723) was identified as part of this SDG. There were no calculable RPD or differences. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IXI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL METALS

SUMMARY

I.) General:

The analyses for Total Metals were performed per SW846 Method 6010D.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL criteria were met. No data qualification was necessary.

IV.) Blanks:

Calibration Blanks:

There were no detections reported in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections reported in the associated preparation blank. No data qualification was necessary.

V.) Interference Check Sample (ICS) Results:

All ICS criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. Several Percent Recoveries (%Rs) were outside the QC limits. Data qualification based on batch QC results was not required. No data qualification was necessary.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VIII.) Serial Dilution Analysis:

Batch Serial Dilution Analysis data was submitted for this fraction of the SDG. One Percent Difference (%D) exceeded the QC limit. Data qualification based on batch QC results was not required. No data qualification was necessary.

IX.) Field Duplicates:

One set of field duplicate samples (LR-MW07-0.0-0.2-022723 / DUP-022723) was identified for this SDG. The calculable Relative Percent Differences (RPDs) were:

Aluminum	19%
Barium	16%

Calcium	88%
Chromium	9.8%
copper	27%
Iron	18%
Lead	29%
Magnesium	93%
Manganese	3.6%
Nickel	21%
Vanadium	17%
Zinc	21%

The RPDs for calcium and magnesium exceeded the advisory 50% QC limit. The calculable difference for arsenic was less than the RL. Data qualification based on field duplicate results was not required. No data qualification was necessary.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL MERCURY

SUMMARY

I.) General:

The analyses for Total Mercury were performed per SW846 Method 7471A.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

IV.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There weas no detection reported in the associated preparation blank. No data qualification was necessary.

V.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

Batch MS / MSD analyses results were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VII.) Serial Dilution Analysis:

Serial Dilution Analysis was not required for this fraction of the SDG. No data qualification was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (LR-MW-0.0-0.2-022723 / DUP-022723) was identified for this SDG. There was no calculable RPD or difference. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL CYANIDE

SUMMARY

I.) General:

The analyses for Total Cyanide were performed per SW846 Method 9012B.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

MS / MD analyses were performed using the SDG sample. All criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

One set of field duplicate samples (LR-MW07-0.0-0.2-022723 / DUP-022723) was identified for this SDG. The calculable Relative Percent Difference (RPD) at 65% exceeded the advisory 50% QC limit. Data qualification based on field duplicate results was not required. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

Appendix A
Qualified Form Is

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.5-022723		
Lab Sample ID:	JD60984-1	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	81.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I249013.D	1	03/03/23 21:20	CL	n/a	n/a	VI10106
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0174 J	0.013	0.0054	mg/kg	
71-43-2	Benzene	ND	0.00066	0.00060	mg/kg	
74-97-5	Bromochloromethane	ND	0.0066	0.00073	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0026	0.00056	mg/kg	
75-25-2	Bromoform	ND	0.0066	0.0018	mg/kg	
74-83-9	Bromomethane	ND	0.0066	0.0010	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.013	0.0032	mg/kg	
75-15-0	Carbon disulfide	ND	0.0026	0.00070	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0026	0.00081	mg/kg	
108-90-7	Chlorobenzene	ND	0.0026	0.00060	mg/kg	
75-00-3	Chloroethane	ND	0.0066	0.00077	mg/kg	
67-66-3	Chloroform	ND	0.0026	0.00068	mg/kg	
74-87-3	Chloromethane	ND	0.0066	0.0026	mg/kg	
110-82-7	Cyclohexane	ND	0.0026	0.00086	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0026	0.00091	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0026	0.00073	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0013	0.00055	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0013	0.00072	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0013	0.00065	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0013	0.00065	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0066	0.00095	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0013	0.00065	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0013	0.00062	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0013	0.00086	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0013	0.0011	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0013	0.00080	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0026	0.00062	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0026	0.00062	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0026	0.00060	mg/kg	
100-41-4	Ethylbenzene	ND	0.0013	0.00059	mg/kg	
76-13-1	Freon 113	ND	0.0066	0.0035	mg/kg	
591-78-6	2-Hexanone [a]	ND UJ	0.0066	0.0028	mg/kg	

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.5-022723		
Lab Sample ID:	JD60984-1	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	81.2
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0026	0.0019	mg/kg	
79-20-9	Methyl Acetate	0.0268	0.0066	0.0018	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0026	0.0011	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0013	0.00061	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	0.0066	0.0030	mg/kg	UJ
75-09-2	Methylene chloride	ND	0.0066	0.0034	mg/kg	
100-42-5	Styrene [a]	ND	0.0026	0.00053	mg/kg	UJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0026	0.00078	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0026	0.00076	mg/kg	
108-88-3	Toluene	ND	0.0013	0.00069	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0066	0.0033	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0066	0.0033	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0026	0.00063	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0026	0.00073	mg/kg	
79-01-6	Trichloroethene	ND	0.0013	0.0010	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0066	0.00090	mg/kg	
75-01-4	Vinyl chloride	ND	0.0026	0.00063	mg/kg	
	m,p-Xylene	ND	0.0013	0.0012	mg/kg	
95-47-6	o-Xylene	ND	0.0013	0.00060	mg/kg	
1330-20-7	Xylene (total)	ND	0.0013	0.00060	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-124%
17060-07-0	1,2-Dichloroethane-D4	108%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	96%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
2153-66-4	Santolina triene	8.26	.009	mg/kg	JN
	Total TIC, Volatile		.009	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-MW07-0.0-0.2-022723
Lab Sample ID: JD60984-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 75.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P509060.D	1	03/01/23 22:28	HL	03/01/23 13:00	OP44956	E6P3845
Run #2							

	Initial Weight	Final Volume
Run #1	31.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.083	0.021	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.035	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.074	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.21	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.21	0.044	mg/kg	
95-48-7	2-Methylphenol	ND	0.083	0.027	mg/kg	
	3&4-Methylphenol	ND	0.083	0.034	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.027	mg/kg	
100-02-7	4-Nitrophenol	ND	0.42	0.11	mg/kg	
87-86-5	Pentachlorophenol [a]	ND UJ	0.17	0.039	mg/kg	
108-95-2	Phenol	ND	0.083	0.022	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.028	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.025	mg/kg	
83-32-9	Acenaphthene	ND	0.042	0.014	mg/kg	
208-96-8	Acenaphthylene	ND	0.042	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0089	mg/kg	
120-12-7	Anthracene	ND	0.042	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.083	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	0.0844	0.042	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.108	0.042	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.134	0.042	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0770	0.042	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0572	0.042	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.083	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.083	0.010	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.083	0.0057	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.083	0.0099	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.015	mg/kg	
86-74-8	Carbazole	0.0133	0.083	0.0060	mg/kg	J

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-0.0-0.2-022723
Lab Sample ID: JD60984-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 75.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.083	0.016	mg/kg	
218-01-9	Chrysene	0.0980	0.042	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.083	0.0089	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.083	0.018	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.083	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.083	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.042	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.042	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.083	0.035	mg/kg	
123-91-1	1,4-Dioxane	ND	0.042	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0257	0.042	0.018	mg/kg	J
132-64-9	Dibenzofuran	ND	0.083	0.017	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.083	0.0068	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.083	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.083	0.0088	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.083	0.0074	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.083	0.0097	mg/kg	
206-44-0	Fluoranthene	0.158	0.042	0.019	mg/kg	
86-73-7	Fluorene	ND	0.042	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.083	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.042	0.017	mg/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND UJ	0.42	0.017	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0745	0.042	0.019	mg/kg	
78-59-1	Isophorone	ND	0.083	0.0089	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.042	0.0094	mg/kg	
88-74-4	2-Nitroaniline [b]	ND UJ	0.21	0.0098	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.21	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.042	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.083	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine [b]	ND UJ	0.083	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.015	mg/kg	
85-01-8	Phenanthrene	0.0691	0.042	0.014	mg/kg	
129-00-0	Pyrene	0.132	0.042	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-99%

ALH 6/28/23

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E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-0.0-0.2-022723
Lab Sample ID: JD60984-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 75.7

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	58%		10-96%
118-79-6	2,4,6-Tribromophenol	62%		10-123%
4165-60-0	Nitrobenzene-d5	62%		10-109%
321-60-8	2-Fluorobiphenyl	58%		11-109%
1718-51-0	Terphenyl-d14	59%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	4.06	.29	mg/kg	J
	Unknown	4.33	.44	mg/kg	J
	Unknown	7.94	.21	mg/kg	J
	Unknown	8.95	.21	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.05	.52	mg/kg	JN
	Unknown	9.30	.22	mg/kg	J
	Unknown	9.99	.65	mg/kg	J
	Unknown	10.07	.21	mg/kg	J
	Unknown acid	12.37	.24	mg/kg	J
	Unknown	13.02	.31	mg/kg	J
	Unknown acid	13.37	.3	mg/kg	J
	Alkane	13.96	.37	mg/kg	J
	Unknown	13.99	.53	mg/kg	J
	Unknown	14.61	.44	mg/kg	J
	Alkane	14.84	1	mg/kg	J
	Unknown	14.88	.29	mg/kg	J
59-02-9	Vitamin E	15.01	.2	mg/kg	JN
	Unknown	15.47	.4	mg/kg	J
	Unknown	15.65	.29	mg/kg	J
	Alkane	15.70	.21	mg/kg	J
	Unknown	15.77	.24	mg/kg	J
	Sitosterol	15.95	.55	mg/kg	J
	Unknown	16.48	.3	mg/kg	J
	Unknown	16.66	.39	mg/kg	J
	Unknown	16.95	.32	mg/kg	J
	Total TIC, Semi-Volatile		9.13	mg/kg	J

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G3920.D	1	03/03/23 16:19	MLC	03/01/23 09:45	OP44957	G9G211
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.021	0.011	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0042	0.0024	mg/kg	
93-76-5	2,4,5-T	ND	0.0042	0.0021	mg/kg	
75-99-0	Dalapon	ND	0.0042	0.0026	mg/kg	
1918-00-9	Dicamba	ND	0.0042	0.0022	mg/kg	
120-36-5	Dichloroprop	ND	0.021	0.011	mg/kg	
88-85-7	Dinoseb	ND	0.021	0.013	mg/kg	UJ
94-74-6	MCPA	ND	2.1	1.2	mg/kg	
93-65-2	MCPP	ND	2.1	1.8	mg/kg	UJ
87-86-5	Pentachlorophenol	ND	0.0021	0.00068	mg/kg	
94-82-6	2,4-DB	ND	0.021	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	22%		10-138%
19719-28-9	2,4-DCAA	21%		10-138%

ALH 6/28/23

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183284.D	1	03/11/23 02:37	RK	03/10/23 09:30	OP45112	G1G6409
Run #2							

	Initial Weight	Final Volume
Run #1	16.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00080	0.00066	mg/kg	
319-84-6	alpha-BHC	ND	0.00080	0.00065	mg/kg	
319-85-7	beta-BHC	ND	0.00080	0.00072	mg/kg	
319-86-8	delta-BHC [a]	ND	0.00080	0.00077	mg/kg	UJ
58-89-9	gamma-BHC (Lindane)	0.0022	0.00080	0.00059	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00080	0.00065	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00080	0.00036	mg/kg	
60-57-1	Dieldrin [b]	0.00089	0.00080	0.00055	mg/kg	J
72-54-8	4,4'-DDD	ND	0.00080	0.00073	mg/kg	
72-55-9	4,4'-DDE	ND	0.00080	0.00070	mg/kg	
50-29-3	4,4'-DDT [b]	0.0012	0.00080	0.00071	mg/kg	J
72-20-8	Endrin	ND	0.00080	0.00062	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00080	0.00063	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00080	0.00045	mg/kg	
959-98-8	Endosulfan-I	ND	0.00080	0.00046	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00080	0.00050	mg/kg	
76-44-8	Heptachlor	ND	0.00080	0.00069	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00080	0.00056	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00064	mg/kg	
53494-70-5	Endrin ketone [a]	ND	0.00080	0.00058	mg/kg	UJ
8001-35-2	Toxaphene	ND	0.020	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		13-162%
877-09-8	Tetrachloro-m-xylene	121%		13-162%
2051-24-3	Decachlorobiphenyl	85%		10-180%
2051-24-3	Decachlorobiphenyl	155%		10-180%

(a) Associated CCV outside of control limits high, sample was ND.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

ALH 6/28/23

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2497998.D	1	03/02/23 09:11	CP	03/01/23 09:45	OP44959	GXX8097
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND UJ	0.041	0.019	mg/kg	
11104-28-2	Aroclor 1221	ND	0.041	0.025	mg/kg	
11141-16-5	Aroclor 1232	ND	0.041	0.026	mg/kg	
53469-21-9	Aroclor 1242	ND	0.041	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.041	0.037	mg/kg	
11097-69-1	Aroclor 1254	ND	0.041	0.022	mg/kg	
11096-82-5	Aroclor 1260	ND UJ	0.041	0.017	mg/kg	
11100-14-4	Aroclor 1268	ND	0.041	0.017	mg/kg	
37324-23-5	Aroclor 1262	ND	0.041	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		10-174%
877-09-8	Tetrachloro-m-xylene	58%		10-174%
2051-24-3	Decachlorobiphenyl	75%		10-195%
2051-24-3	Decachlorobiphenyl	85%		10-195%

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-0.0-0.2-022723
Lab Sample ID: JD60984-2
Matrix: SO - Soil
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 75.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4140	64	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.6	2.6	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	< 2.6	2.6	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	27.0	26	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	< 0.26	0.26	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.64	0.64	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	70500	3200	mg/kg	5	03/01/23	03/07/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	9.7	1.3	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 6.4	6.4	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	10.8	3.2	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	9090	64	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	27.6	2.6	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	31600	640	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	327	1.9	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.040	0.040	mg/kg	1	03/01/23	03/02/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	6.8	5.1	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1300	1300	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.6	2.6	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.64	0.64	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1300	1300	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.3	1.3	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	9.8	6.4	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	83.9	6.4	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53809
(2) Instrument QC Batch: MA53819
(3) Instrument QC Batch: MA53829
(4) Prep QC Batch: MP38111
(5) Prep QC Batch: MP38140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
		Percent Solids:	75.7
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.50	0.30	mg/kg	1	03/01/23 15:10	MM	SW846 9012B/LACHAT
Solids, Percent	75.7		%	1	03/01/23 11:50	RP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-0.2-1.0-022723		
Lab Sample ID:	JD60984-3	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P509056.D	5	03/01/23 20:54	HL	03/01/23 13:00	OP44956	E6P3845
Run #2							

	Initial Weight	Final Volume
Run #1	32.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.18	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	28%		10-109%
321-60-8	2-Fluorobiphenyl	47%		11-109%
1718-51-0	Terphenyl-d14	46%		10-120%

(a) Dilution required due to viscosity of the extract matrix.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-MW-05-0.0-0.2-022723
Lab Sample ID: JD60984-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 73.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P509059.D	1	03/01/23 22:04	HL	03/01/23 13:00	OP44956	E6P3845
Run #2 [a]	6P509101.D	2	03/04/23 05:01	HL	03/01/23 13:00	OP44956	E6P3846

	Initial Weight	Final Volume
Run #1	32.0 g	1.0 ml
Run #2	32.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.043	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%	62%	10-109%
321-60-8	2-Fluorobiphenyl	64%	59%	11-109%
1718-51-0	Terphenyl-d14	66%	58%	10-120%

(a) Confirmation run for internal standard areas.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-MW-05-0.2-1.0-022723
Lab Sample ID: JD60984-5
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 78.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P509062.D	1	03/01/23 23:15	HL	03/01/23 13:00	OP44956	E6P3845
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.042	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	49%		10-109%
321-60-8	2-Fluorobiphenyl	46%		11-109%
1718-51-0	Terphenyl-d14	50%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I249014.D	1	03/03/23 21:42	CL	n/a	n/a	VI10106
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND UJ	0.010	0.0042	mg/kg	
71-43-2	Benzene	ND	0.00051	0.00046	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00057	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00043	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.0014	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00077	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0025	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00054	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00063	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00046	mg/kg	
75-00-3	Chloroethane	ND	0.0051	0.00060	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00053	mg/kg	
74-87-3	Chloromethane	ND	0.0051	0.0020	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00067	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00070	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00057	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00043	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00055	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00050	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00050	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0051	0.00074	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00050	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00048	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00066	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00085	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00062	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00048	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00048	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00046	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00046	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.0027	mg/kg	
591-78-6	2-Hexanone [a]	ND UJ	0.0051	0.0021	mg/kg	

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.0014	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.0014	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00089	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00047	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	0.0051	0.0023	mg/kg	UJ
75-09-2	Methylene chloride	ND	0.0051	0.0026	mg/kg	
100-42-5	Styrene [a]	ND	0.0020	0.00041	mg/kg	UJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00061	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00059	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00053	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0051	0.0025	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0051	0.0025	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00049	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00056	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00077	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00069	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00049	mg/kg	
	m,p-Xylene	ND	0.0010	0.00091	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00046	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-124%
17060-07-0	1,2-Dichloroethane-D4	107%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	97%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P509061.D	1	03/01/23 22:52	HL	03/01/23 13:00	OP44956	E6P3845
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.088	0.022	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.22	0.027	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.22	0.038	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.22	0.078	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.22	0.17	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.22	0.047	mg/kg	
95-48-7	2-Methylphenol	ND	0.088	0.028	mg/kg	
	3&4-Methylphenol	ND	0.088	0.036	mg/kg	
88-75-5	2-Nitrophenol	ND	0.22	0.029	mg/kg	
100-02-7	4-Nitrophenol	ND	0.44	0.12	mg/kg	
87-86-5	Pentachlorophenol [a]	ND UJ	0.18	0.041	mg/kg	
108-95-2	Phenol	ND	0.088	0.023	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.22	0.029	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.22	0.033	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.22	0.026	mg/kg	
83-32-9	Acenaphthene	ND	0.044	0.015	mg/kg	
208-96-8	Acenaphthylene	ND	0.044	0.022	mg/kg	
98-86-2	Acetophenone	ND	0.22	0.0095	mg/kg	
120-12-7	Anthracene	0.0301	0.044	0.027	mg/kg	J
1912-24-9	Atrazine	ND	0.088	0.019	mg/kg	
56-55-3	Benzo(a)anthracene	0.131	0.044	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.141	0.044	0.020	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.178	0.044	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0890	0.044	0.022	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0576	0.044	0.021	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.088	0.017	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.088	0.011	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.088	0.0060	mg/kg	
100-52-7	Benzaldehyde	ND	0.22	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.088	0.010	mg/kg	
106-47-8	4-Chloroaniline	ND	0.22	0.016	mg/kg	
86-74-8	Carbazole	0.0142	0.088	0.0064	mg/kg	J

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-022723
Lab Sample ID: JD60984-6
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 73.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.088	0.017	mg/kg	
218-01-9	Chrysene	0.143	0.044	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.088	0.0094	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.088	0.019	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.088	0.016	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.088	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.044	0.014	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.044	0.022	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.088	0.037	mg/kg	
123-91-1	1,4-Dioxane	ND	0.044	0.029	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0270	0.044	0.019	mg/kg	J
132-64-9	Dibenzofuran	ND	0.088	0.018	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.088	0.0072	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.088	0.011	mg/kg	
84-66-2	Diethyl phthalate	ND	0.088	0.0094	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.088	0.0078	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.088	0.010	mg/kg	
206-44-0	Fluoranthene	0.242	0.044	0.020	mg/kg	
86-73-7	Fluorene	ND	0.044	0.020	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.088	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.044	0.018	mg/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND UJ	0.44	0.018	mg/kg	
67-72-1	Hexachloroethane	ND	0.22	0.022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0856	0.044	0.021	mg/kg	
78-59-1	Isophorone	ND	0.088	0.0094	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.044	0.010	mg/kg	
88-74-4	2-Nitroaniline [b]	ND UJ	0.22	0.010	mg/kg	
99-09-2	3-Nitroaniline	ND	0.22	0.011	mg/kg	
100-01-6	4-Nitroaniline	ND	0.22	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.044	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.088	0.017	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine [b]	ND UJ	0.088	0.013	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.22	0.016	mg/kg	
85-01-8	Phenanthrene	0.130	0.044	0.015	mg/kg	
129-00-0	Pyrene	0.214	0.044	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.22	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-99%

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	41%		10-96%
118-79-6	2,4,6-Tribromophenol	57%		10-123%
4165-60-0	Nitrobenzene-d5	55%		10-109%
321-60-8	2-Fluorobiphenyl	51%		11-109%
1718-51-0	Terphenyl-d14	53%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Alkane	3.97	.24	mg/kg	J
	Unknown	4.08	.2	mg/kg	J
	Unknown	4.33	.29	mg/kg	J
	Unknown	4.72	.23	mg/kg	J
	Unknown	7.95	.22	mg/kg	J
	Unknown	8.95	.22	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.05	.38	mg/kg	JN
	Unknown	9.30	.18	mg/kg	J
	Unknown	9.99	.61	mg/kg	J
	Unknown	13.02	.28	mg/kg	J
	Unknown acid	13.37	.3	mg/kg	J
	Unknown	13.99	1	mg/kg	J
	Unknown	14.61	.53	mg/kg	J
	Alkane	14.84	.96	mg/kg	J
	Unknown	14.88	.27	mg/kg	J
	Unknown	15.48	.38	mg/kg	J
	Unknown	15.65	.31	mg/kg	J
	Alkane	15.70	.22	mg/kg	J
	Unknown	15.78	.23	mg/kg	J
	Sitosterol	15.95	.59	mg/kg	J
	Unknown	16.22	.22	mg/kg	J
	Unknown	16.49	.24	mg/kg	J
	Unknown	16.66	.48	mg/kg	J
	Unknown	16.88	.23	mg/kg	J
	Unknown	16.94	.4	mg/kg	J
	Total TIC, Semi-Volatile		9.21	mg/kg	J

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G3921.D	1	03/03/23 16:41	MLC	03/01/23 09:45	OP44957	G9G211
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.022	0.012	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0044	0.0025	mg/kg	
93-76-5	2,4,5-T	ND	0.0044	0.0022	mg/kg	
75-99-0	Dalapon	ND	0.0044	0.0027	mg/kg	
1918-00-9	Dicamba	ND	0.0044	0.0023	mg/kg	
120-36-5	Dichloroprop	ND	0.022	0.012	mg/kg	
88-85-7	Dinoseb	ND	0.022	0.014	mg/kg	UJ
94-74-6	MCPA	ND	2.2	1.2	mg/kg	
93-65-2	MCPP	ND	2.2	1.8	mg/kg	UJ
87-86-5	Pentachlorophenol	ND	0.0022	0.00071	mg/kg	
94-82-6	2,4-DB	ND	0.022	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	14%		10-138%
19719-28-9	2,4-DCAA	13%		10-138%

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89263.D	1	03/11/23 02:41	TP	03/10/23 08:00	OP45143	G6G3230
Run #2							

	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND UJ	0.00082	0.00067	mg/kg	
319-84-6	alpha-BHC	ND UJ	0.00082	0.00066	mg/kg	
319-85-7	beta-BHC	ND	0.00082	0.00074	mg/kg	
319-86-8	delta-BHC	ND UJ	0.00082	0.00078	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00082	0.00060	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00082	0.00066	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00082	0.00037	mg/kg	
60-57-1	Dieldrin	ND	0.00082	0.00056	mg/kg	
72-54-8	4,4'-DDD	ND	0.00082	0.00075	mg/kg	
72-55-9	4,4'-DDE	0.0015	0.00082	0.00072	mg/kg	
50-29-3	4,4'-DDT [a]	0.0027 U	0.00082	0.00072	mg/kg	B
72-20-8	Endrin	ND	0.00082	0.00064	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00082	0.00064	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00082	0.00046	mg/kg	
959-98-8	Endosulfan-I	ND	0.00082	0.00047	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00082	0.00051	mg/kg	
76-44-8	Heptachlor	ND	0.00082	0.00070	mg/kg	
1024-57-3	Heptachlor epoxide	ND UJ	0.00082	0.00057	mg/kg	
72-43-5	Methoxychlor	ND UJ	0.0016	0.00065	mg/kg	
53494-70-5	Endrin ketone	ND	0.00082	0.00059	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		13-162%
877-09-8	Tetrachloro-m-xylene	103%		13-162%
2051-24-3	Decachlorobiphenyl	70%		10-180%
2051-24-3	Decachlorobiphenyl	95%		10-180%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2497999.D	1	03/02/23 09:28	CP	03/01/23 09:45	OP44959	GXX8097
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND UJ	0.042	0.019	mg/kg	
11104-28-2	Aroclor 1221	ND	0.042	0.026	mg/kg	
11141-16-5	Aroclor 1232	ND	0.042	0.027	mg/kg	
53469-21-9	Aroclor 1242	ND	0.042	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.042	0.037	mg/kg	
11097-69-1	Aroclor 1254	ND	0.042	0.022	mg/kg	
11096-82-5	Aroclor 1260	NDUJ	0.042	0.018	mg/kg	
11100-14-4	Aroclor 1268	ND	0.042	0.018	mg/kg	
37324-23-5	Aroclor 1262	ND	0.042	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		10-174%
877-09-8	Tetrachloro-m-xylene	88%		10-174%
2051-24-3	Decachlorobiphenyl	78%		10-195%
2051-24-3	Decachlorobiphenyl	74%		10-195%

ALH 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-022723
Lab Sample ID: JD60984-6
Matrix: SO - Soil
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 73.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4990	69	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.8	2.8	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.0	2.8	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	31.6	28	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.28	0.28	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.69	0.69	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	27300	690	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	10.7	1.4	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.9	6.9	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	14.2	3.5	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	10900	69	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	37.0	2.8	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	11600	690	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	339	2.1	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.038	0.038	mg/kg	1	03/01/23	03/02/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.4	5.5	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1400	1400	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.8	2.8	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.69	0.69	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1400	1400	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.4	1.4	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	11.6	6.9	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	104	6.9	mg/kg	1	03/01/23	03/02/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA53809
(2) Instrument QC Batch: MA53819
(3) Prep QC Batch: MP38111
(4) Prep QC Batch: MP38140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
		Percent Solids:	73.7
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.54	0.29	mg/kg	1	03/01/23 15:11	MM	SW846 9012B/LACHAT
Solids, Percent	73.7		%	1	03/01/23 11:50	RP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	TB-022723		
Lab Sample ID:	JD60984-8	**Date Sampled:**	02/27/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L353698.D	1	03/02/23 01:17	MS	n/a	n/a	VL10730
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND UJ	10	2.7	ug/l	
75-15-0	Carbon disulfide [a]	ND UJ	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND UJ	5.0	2.0	ug/l	

ALH 6/28/23

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-022723		
Lab Sample ID:	JD60984-8	**Date Sampled:**	02/27/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	02/28/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-MW-07-22-24-022723
Lab Sample ID: JD60984-9
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 96.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P509054.D	1	03/01/23 20:07	HL	03/01/23 13:00	OP44956	E6P3845
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.034	0.022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	26%		10-109%
321-60-8	2-Fluorobiphenyl	25%		11-109%
1718-51-0	Terphenyl-d14	32%		10-120%

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA
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www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Soil and Water
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD60984
SAMPLING DATE(S):	February 27, 2023
REPORT DATE:	June 3, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
LR-MW07-0.0-0.2-022723	JD0984-2A	X
LR-MW07-0.2-1.0-022723	JD0984-3A	X
LR-MW07-0.2-1.0-022723MS	JD0984-3AMS	X
LR-MW07-0.2-1.0-022723MSD	JD0984-3AMSD	X
LR-MW05-0.0-0.2-022723	JD0984-4A	X
LR-MW05-0.2-1.0-022723	JD0984-5A	X
DUP-022723	JD0984-6A	X
LR-EB-022723	JD0984-7	X
LR-MW07-22-24-022723	JD0984-9A	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD60984

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the Sample Delivery Group (SDG).

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all samples and method types listed on the COC. Duplicate sample DUP-022723/JD0984-6A was analyzed in this data set. The parent sample LR-MW07-0.0-0.5-022723 was not analyzed for PFAS.

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements from the field to SGS in Dayton. The PFAS aliquots were then shipped to SGS in Orlando. Upon receipt in Orlando the temperature was 15.4ºC, which is greater than the 6ºC limit. All results for all samples in this SDG are considered estimated. Positive results are qualified "J", for the non-detects the quantitation limits are qualified "UJ" .

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

All Continuing Calibration Verification criteria were met. No data qualification was necessary.

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

All method blanks were free of contamination. No data were qualified based on method blank contamination.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued with this SDG. No evaluation was made.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Equipment blank LR-EB-022723 was free of contamination. No data were qualified based on this finding.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analysis was performed on sample LR-MW07-0.2-1.0-022723/JD0984-03A. All MS/MSD criteria were met. No data qualification was necessary.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VIII.) Field Duplicates:

One FD sample was identified for this fraction of the SDG, DUP-022723. As stated in the Minor Problems section above. The parent sample was not analyzed for PFAS. No comparison was made.
.

IX.) Extracted Internal Standards (EIS):

All EIS recoveries were within the 50%-150% limits. No qualification was made.

X.) Ion Transitions:

The following ratios of quantifier ion response to qualifier ion response were outside the laboratory criteria:

Client ID	**LAB ID**	**Analyte(s)**
LR-MW07-0.0-0.2-022723	JD0984-2A	PFOA
LR-MW07-0.2-1.0-022723	JD0984-3A	PFOA
LR-MW05-0.0-0.2-022723	JD0984-4A	PFOA, PFNA
LR-MW05-0.2-1.0-022723	JD0984-5A	PFOA

All results for all samples in this SDG were previously qualified for temperature criteria violation. No additional qualification was made.

XI.) Reporting limits (RLs):

All reporting limit criteria were met. Several sample results were greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. These qualifiers were confirmed by the validator.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	Lab ID	Analyte	Qualification
LR-MW07-0.0-0.2-022723	JD0984-2A	All Analytes	J/UJ
LR-MW07-0.2-1.0-022723	JD0984-3A		
LR-MW05-0.0-0.2-022723	JD0984-4A		
LR-MW05-0.2-1.0-022723	JD0984-5A		
DUP-022723	JD0984-6A		
LR-EB-022723	JD0984-7		
LR-MW07-22-24-022723	JD0984-9A		

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41826.D	1	03/09/23 16:26	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	4.95 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00067	mg/kg	UJ
2706-90-3	Perfluoropentanoic acid	ND	0.00053	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00027	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00027	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00014	0.00027	0.00013	mg/kg	J J
375-95-1	Perfluorononanoic acid	ND	0.00027	0.00015	mg/kg	UJ
335-76-2	Perfluorodecanoic acid	ND	0.00027	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00013	mg/kg	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00013	mg/kg	UJ
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00070	0.00027	0.00013	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00024	mg/kg	UJ
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	UJ
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00080	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00013	mg/kg	UJ
31506-32-8	MeFOSA	ND	0.00027	0.00018	mg/kg	UJ
4151-50-2	EtFOSA	ND	0.00027	0.00013	mg/kg	UJ

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.0-0.2-022723		
Lab Sample ID:	JD60984-2A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	UJ
2991-50-6	EtFOSAA	ND	0.00027	0.00026	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0013	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0027	0.0013	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00039	mg/kg	UJ
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00053	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00053	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00053	0.00033	mg/kg	UJ
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00059	mg/kg	UJ
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00053	mg/kg	UJ
113507-82-7	PFEESA	ND	0.00053	0.00027	mg/kg	UJ
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00068	mg/kg	UJ
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0067	0.0015	mg/kg	UJ
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0067	0.0017	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	83%		20-150%
	13C4-PFHpA	83%		20-150%
	13C8-PFOA	78%		20-150%
	13C9-PFNA	87%		20-150%
	13C6-PFDA	87%		20-150%
	13C7-PFUnDA	91%		20-150%
	13C2-PFDoDA	88%		20-150%
	13C2-PFTeDA	90%		20-150%
	13C3-PFBS	81%		20-150%
	13C3-PFHxS	86%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/3/23

Report of Analysis

Client Sample ID: LR-MW07-0.0-0.2-022723
Lab Sample ID: JD60984-2A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 75.7

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	81%		20-150%
	13C8-FOSA	81%		20-150%
	d3-MeFOSA	71%		20-150%
	d5-EtFOSA	66%		20-150%
	d3-MeFOSAA	94%		20-150%
	d5-EtFOSAA	93%		20-150%
	d7-MeFOSE	66%		20-150%
	d9-EtFOSE	62%		20-150%
	13C2-4:2FTS	102%		20-150%
	13C2-6:2FTS	93%		20-150%
	13C2-8:2FTS	87%		20-150%
	13C3-HFPO-DA	83%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-0.2-1.0-022723		
Lab Sample ID:	JD60984-3A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	85.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41829.D	1	03/09/23 17:09	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00094	0.00059	mg/kg	UJ
2706-90-3	Perfluoropentanoic acid	ND	0.00047	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00021	0.00024	0.00012	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	UJ
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	UJ
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00018	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00017	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00066	0.00024	0.00012	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00021	mg/kg	UJ
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00094	0.00047	mg/kg	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00094	0.00047	mg/kg	UJ
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00094	0.00071	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	UJ
31506-32-8	MeFOSA	ND	0.00024	0.00016	mg/kg	UJ
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	UJ

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-0.2-1.0-022723		
Lab Sample ID:	JD60984-3A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	85.4
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	UJ
2991-50-6	EtFOSAA	ND	0.00024	0.00023	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00094	0.00034	mg/kg	UJ
919005-14-4	ADONA	ND	0.00094	0.00040	mg/kg	
377-73-1	PFMPA	ND	0.00047	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00047	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00047	0.00029	mg/kg	UJ
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00094	0.00052	mg/kg	UJ
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00094	0.00047	mg/kg	UJ
113507-82-7	PFEESA	ND	0.00047	0.00024	mg/kg	UJ
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00060	mg/kg	UJ
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0059	0.0014	mg/kg	UJ
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0059	0.0015	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	79%		20-150%
	13C5-PFPeA	75%		20-150%
	13C5-PFHxA	78%		20-150%
	13C4-PFHpA	76%		20-150%
	13C8-PFOA	77%		20-150%
	13C9-PFNA	73%		20-150%
	13C6-PFDA	82%		20-150%
	13C7-PFUnDA	81%		20-150%
	13C2-PFDoDA	76%		20-150%
	13C2-PFTeDA	76%		20-150%
	13C3-PFBS	77%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/3/23

Report of Analysis

Client Sample ID:	LR-MW07-0.2-1.0-022723		
Lab Sample ID:	JD60984-3A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	85.4
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	78%		20-150%
	13C8-FOSA	77%		20-150%
	d3-MeFOSA	73%		20-150%
	d5-EtFOSA	66%		20-150%
	d3-MeFOSAA	87%		20-150%
	d5-EtFOSAA	92%		20-150%
	d7-MeFOSE	65%		20-150%
	d9-EtFOSE	64%		20-150%
	13C2-4:2FTS	95%		20-150%
	13C2-6:2FTS	89%		20-150%
	13C2-8:2FTS	83%		20-150%
	13C3-HFPO-DA	75%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW-05-0.0-0.2-022723		
Lab Sample ID:	JD60984-4A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41832.D	1	03/09/23 17:51	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.00078	0.0011	0.00068	mg/kg	J J
2706-90-3	Perfluoropentanoic acid	ND	0.00054	0.00014	mg/kg	UJ
307-24-4	Perfluorohexanoic acid	ND	0.00027	0.00014	mg/kg	↓
375-85-9	Perfluoroheptanoic acid	ND	0.00027	0.00014	mg/kg	↓
335-67-1	Perfluorooctanoic acid	0.00074	0.00027	0.00014	mg/kg	J
375-95-1	Perfluorononanoic acid	0.00021	0.00027	0.00016	mg/kg	J J
335-76-2	Perfluorodecanoic acid	ND	0.00027	0.00014	mg/kg	UJ
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	↓
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00014	mg/kg	↓
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	↓
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00014	mg/kg	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00014	mg/kg	UJ
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	↓
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00022	mg/kg	↓
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00020	mg/kg	↓
1763-23-1	Perfluorooctanesulfonic acid	0.0028	0.00027	0.00014	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00025	mg/kg	UJ
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	↓
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	UJ
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00082	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00014	mg/kg	UJ
31506-32-8	MeFOSA	ND	0.00027	0.00019	mg/kg	UJ
4151-50-2	EtFOSA	ND	0.00027	0.00014	mg/kg	UJ

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-05-0.0-0.2-022723		
Lab Sample ID:	JD60984-4A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	UJ
2991-50-6	EtFOSAA	ND	0.00027	0.00027	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0014	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0027	0.0014	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00039	mg/kg	UJ
919005-14-4	ADONA	ND	0.0011	0.00046	mg/kg	
377-73-1	PFMPA	ND	0.00054	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00054	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00054	0.00033	mg/kg	UJ
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00060	mg/kg	UJ
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00054	mg/kg	UJ
113507-82-7	PFEESA	ND	0.00054	0.00027	mg/kg	UJ
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00069	mg/kg	UJ
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0068	0.0016	mg/kg	UJ
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0068	0.0017	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	88%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	84%		20-150%
	13C4-PFHpA	80%		20-150%
	13C8-PFOA	81%		20-150%
	13C9-PFNA	81%		20-150%
	13C6-PFDA	86%		20-150%
	13C7-PFUnDA	89%		20-150%
	13C2-PFDoDA	87%		20-150%
	13C2-PFTeDA	87%		20-150%
	13C3-PFBS	86%		20-150%
	13C3-PFHxS	86%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/3/23

Report of Analysis

Client Sample ID: LR-MW-05-0.0-0.2-022723
Lab Sample ID: JD60984-4A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 73.5

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	82%		20-150%
	13C8-FOSA	84%		20-150%
	d3-MeFOSA	73%		20-150%
	d5-EtFOSA	70%		20-150%
	d3-MeFOSAA	95%		20-150%
	d5-EtFOSAA	93%		20-150%
	d7-MeFOSE	69%		20-150%
	d9-EtFOSE	66%		20-150%
	13C2-4:2FTS	105%		20-150%
	13C2-6:2FTS	106%		20-150%
	13C2-8:2FTS	83%		20-150%
	13C3-HFPO-DA	81%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW-05-0.2-1.0-022723		
Lab Sample ID:	JD60984-5A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	78.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41833.D	1	03/09/23 18:05	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	4.98 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00064	mg/kg	UJ
2706-90-3	Perfluoropentanoic acid	ND	0.00051	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00025	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00025	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00050	0.00025	0.00013	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00025	0.00015	mg/kg	UJ
335-76-2	Perfluorodecanoic acid	ND	0.00025	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00025	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00025	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00025	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00025	0.00013	mg/kg	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00025	0.00013	mg/kg	UJ
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00025	0.00020	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00025	0.00020	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00025	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0025	0.00025	0.00013	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.00025	0.00023	mg/kg	UJ
335-77-3	Perfluorodecanesulfonic acid	ND	0.00025	0.00018	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00025	0.00019	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	UJ
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00076	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00025	0.00013	mg/kg	UJ
31506-32-8	MeFOSA	ND	0.00025	0.00017	mg/kg	UJ
4151-50-2	EtFOSA	ND	0.00025	0.00013	mg/kg	UJ

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW-05-0.2-1.0-022723
Lab Sample ID: JD60984-5A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 78.8

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00025	0.00020	mg/kg	UJ
2991-50-6	EtFOSAA	ND	0.00025	0.00025	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0025	0.0013	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0025	0.0013	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00037	mg/kg	UJ
919005-14-4	ADONA	ND	0.0010	0.00043	mg/kg	
377-73-1	PFMPA	ND	0.00051	0.00025	mg/kg	
863090-89-5	PFMBA	ND	0.00051	0.00025	mg/kg	
151772-58-6	NFDHA	ND	0.00051	0.00031	mg/kg	UJ
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00056	mg/kg	UJ
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00051	mg/kg	UJ
113507-82-7	PFEESA	ND	0.00051	0.00025	mg/kg	UJ
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00065	mg/kg	UJ
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0064	0.0015	mg/kg	UJ
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0064	0.0016	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	78%		20-150%
	13C5-PFHxA	79%		20-150%
	13C4-PFHpA	77%		20-150%
	13C8-PFOA	78%		20-150%
	13C9-PFNA	73%		20-150%
	13C6-PFDA	83%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	84%		20-150%
	13C2-PFTeDA	77%		20-150%
	13C3-PFBS	83%		20-150%
	13C3-PFHxS	83%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/3/23

Report of Analysis

Client Sample ID:	LR-MW-05-0.2-1.0-022723		
Lab Sample ID:	JD60984-5A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	78.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	83%		20-150%
	13C8-FOSA	80%		20-150%
	d3-MeFOSA	67%		20-150%
	d5-EtFOSA	64%		20-150%
	d3-MeFOSAA	95%		20-150%
	d5-EtFOSAA	94%		20-150%
	d7-MeFOSE	65%		20-150%
	d9-EtFOSE	63%		20-150%
	13C2-4:2FTS	100%		20-150%
	13C2-6:2FTS	100%		20-150%
	13C2-8:2FTS	84%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41834.D	1	03/09/23 18:19	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00068	mg/kg	UJ
2706-90-3	Perfluoropentanoic acid	ND	0.00054	0.00014	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00027	0.00014	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00027	0.00014	mg/kg	
335-67-1	Perfluorooctanoic acid	ND	0.00027	0.00014	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00027	0.00016	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00027	0.00014	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00014	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00014	mg/kg	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00014	mg/kg	UJ
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00020	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00068	0.00027	0.00014	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00024	mg/kg	UJ
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	UJ
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00081	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00014	mg/kg	UJ
31506-32-8	MeFOSA	ND	0.00027	0.00018	mg/kg	UJ
4151-50-2	EtFOSA	ND	0.00027	0.00014	mg/kg	UJ

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-022723		
Lab Sample ID:	JD60984-6A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.7
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	UJ
2991-50-6	EtFOSAA	ND	0.00027	0.00027	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0014	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0027	0.0014	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00039	mg/kg	UJ
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00054	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00054	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00054	0.00033	mg/kg	UJ
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00059	mg/kg	UJ
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00054	mg/kg	UJ
113507-82-7	PFEESA	ND	0.00054	0.00027	mg/kg	UJ
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00069	mg/kg	UJ
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0068	0.0016	mg/kg	UJ
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0068	0.0017	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	85%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	84%		20-150%
	13C4-PFHpA	83%		20-150%
	13C8-PFOA	80%		20-150%
	13C9-PFNA	84%		20-150%
	13C6-PFDA	84%		20-150%
	13C7-PFUnDA	95%		20-150%
	13C2-PFDoDA	84%		20-150%
	13C2-PFTeDA	84%		20-150%
	13C3-PFBS	86%		20-150%
	13C3-PFHxS	85%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/3/23

Report of Analysis

Client Sample ID: DUP-022723
Lab Sample ID: JD60984-6A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 73.7

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	81%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	64%		20-150%
	d5-EtFOSA	58%		20-150%
	d3-MeFOSAA	93%		20-150%
	d5-EtFOSAA	87%		20-150%
	d7-MeFOSE	63%		20-150%
	d9-EtFOSE	60%		20-150%
	13C2-4:2FTS	99%		20-150%
	13C2-6:2FTS	95%		20-150%
	13C2-8:2FTS	83%		20-150%
	13C3-HFPO-DA	80%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-EB-022723		
Lab Sample ID:	JD60984-7	**Date Sampled:**	02/27/23
Matrix:	AQ - Equipment Blank	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41822.D	1	03/09/23 15:30	AFL	03/08/23 09:30	F:OP95792	F:S4Q599
Run #2							

	Initial Volume	Final Volume
Run #1	66.0 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.061	0.030	ug/l	UJ
2706-90-3	Perfluoropentanoic acid	ND	0.030	0.0076	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.015	0.0038	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	0.0038	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	0.0038	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	0.0046	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	0.0038	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	0.0045	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	0.0045	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	0.0064	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	0.0038	ug/l	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	0.0076	ug/l	UJ
2706-91-4	Perfluoropentanesulfonic acid	ND	0.015	0.0085	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	0.0076	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.015	0.0076	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	0.0076	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.015	0.0076	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.015	0.0076	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.015	0.0086	ug/l	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.061	0.030	ug/l	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.061	0.030	ug/l	UJ
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.061	0.031	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.015	0.0076	ug/l	UJ
31506-32-8	MeFOSA	ND	0.015	0.0076	ug/l	UJ
4151-50-2	EtFOSA	ND	0.015	0.0076	ug/l	UJ

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-022723		
Lab Sample ID:	JD60984-7	**Date Sampled:**	02/27/23
Matrix:	AQ - Equipment Blank	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.015	0.0076	ug/l	UJ
2991-50-6	EtFOSAA	ND	0.015	0.010	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.15	0.076	ug/l	UJ
1691-99-2	EtFOSE	ND	0.15	0.076	ug/l	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.061	0.015	ug/l	UJ
919005-14-4	ADONA	ND	0.061	0.015	ug/l	
377-73-1	PFMPA	ND	0.030	0.0076	ug/l	
863090-89-5	PFMBA	ND	0.030	0.0086	ug/l	
151772-58-6	NFDHA	ND	0.030	0.0091	ug/l	UJ
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.061	0.015	ug/l	UJ
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.061	0.015	ug/l	UJ
113507-82-7	PFEESA	ND	0.030	0.0076	ug/l	UJ
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.076	0.038	ug/l	UJ
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.38	0.076	ug/l	UJ
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.38	0.076	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	98%		20-150%
	13C5-PFPeA	96%		20-150%
	13C5-PFHxA	93%		20-150%
	13C4-PFHpA	93%		20-150%
	13C8-PFOA	95%		20-150%
	13C9-PFNA	92%		20-150%
	13C6-PFDA	100%		20-150%
	13C7-PFUnDA	100%		20-150%
	13C2-PFDoDA	98%		20-150%
	13C2-PFTeDA	95%		20-150%
	13C3-PFBS	94%		20-150%
	13C3-PFHxS	96%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/2/23

Report of Analysis

Client Sample ID:	LR-EB-022723		
Lab Sample ID:	JD60984-7	**Date Sampled:**	02/27/23
Matrix:	AQ - Equipment Blank	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	98%		20-150%
	13C8-FOSA	88%		20-150%
	d3-MeFOSA	86%		20-150%
	d5-EtFOSA	85%		20-150%
	d3-MeFOSAA	101%		20-150%
	d5-EtFOSAA	99%		20-150%
	d7-MeFOSE	89%		20-150%
	d9-EtFOSE	90%		20-150%
	13C2-4:2FTS	122%		20-150%
	13C2-6:2FTS	128%		20-150%
	13C2-8:2FTS	108%		20-150%
	13C3-HFPO-DA	92%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW-07-22-24-022723		
Lab Sample ID:	JD60984-9A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	96.4
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q41835.D	1	03/09/23 18:33	AFL	03/08/23 08:30	F:OP95785	F:S4Q599
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00083	0.00052	mg/kg	UJ
2706-90-3	Perfluoropentanoic acid	ND	0.00042	0.00010	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00021	0.00010	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00021	0.00010	mg/kg	
335-67-1	Perfluorooctanoic acid	ND	0.00021	0.00010	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00021	0.00012	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00021	0.00010	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00021	0.00014	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00021	0.00010	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00021	0.00011	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00021	0.00010	mg/kg	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00021	0.00010	mg/kg	UJ
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00021	0.00016	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00021	0.00017	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00021	0.00015	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.00021	0.00010	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00021	0.00019	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00021	0.00015	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00021	0.00016	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00083	0.00042	mg/kg	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00083	0.00042	mg/kg	UJ
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00083	0.00063	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00021	0.00010	mg/kg	UJ
31506-32-8	MeFOSA	ND	0.00021	0.00014	mg/kg	UJ
4151-50-2	EtFOSA	ND	0.00021	0.00011	mg/kg	UJ

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW-07-22-24-022723		
Lab Sample ID:	JD60984-9A	**Date Sampled:**	02/27/23
Matrix:	SO - Soil	**Date Received:**	02/28/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	96.4
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00021	0.00016	mg/kg	UJ
2991-50-6	EtFOSAA	ND	0.00021	0.00021	mg/kg	UJ
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0021	0.0010	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0021	0.0010	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00083	0.00030	mg/kg	UJ
919005-14-4	ADONA	ND	0.00083	0.00035	mg/kg	
377-73-1	PFMPA	ND	0.00042	0.00021	mg/kg	
863090-89-5	PFMBA	ND	0.00042	0.00021	mg/kg	
151772-58-6	NFDHA	ND	0.00042	0.00025	mg/kg	UJ
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00083	0.00046	mg/kg	UJ
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00083	0.00042	mg/kg	UJ
113507-82-7	PFEESA	ND	0.00042	0.00021	mg/kg	UJ
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0010	0.00053	mg/kg	UJ
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0052	0.0012	mg/kg	UJ
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0052	0.0013	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		20-150%
	13C5-PFPeA	81%		20-150%
	13C5-PFHxA	81%		20-150%
	13C4-PFHpA	82%		20-150%
	13C8-PFOA	81%		20-150%
	13C9-PFNA	79%		20-150%
	13C6-PFDA	81%		20-150%
	13C7-PFUnDA	86%		20-150%
	13C2-PFDoDA	75%		20-150%
	13C2-PFTeDA	66%		20-150%
	13C3-PFBS	77%		20-150%
	13C3-PFHxS	77%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/3/23

Report of Analysis

Client Sample ID: LR-MW-07-22-24-022723
Lab Sample ID: JD60984-9A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 02/27/23
Date Received: 02/28/23
Percent Solids: 96.4

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	78%		20-150%
	13C8-FOSA	75%		20-150%
	d3-MeFOSA	61%		20-150%
	d5-EtFOSA	55%		20-150%
	d3-MeFOSAA	80%		20-150%
	d5-EtFOSAA	85%		20-150%
	d7-MeFOSE	64%		20-150%
	d9-EtFOSE	63%		20-150%
	13C2-4:2FTS	110%		20-150%
	13C2-6:2FTS	104%		20-150%
	13C2-8:2FTS	90%		20-150%
	13C3-HFPO-DA	82%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ramboll
SITE NAME:	Lyndon Rd. Landfill
CONTRACTED LAB:	SGS Dayton, NJ
QA/QC LEVEL:	DUSR
EPA SOW/METHODS:	SW-846 Methods
VALIDATION GUIDELINES:	*USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS_SOP_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1)*; Professional Judgment
SAMPLE MATRICES:	Soil & Water
TYPE OF ANALYSIS:	Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), 1,4-dioxane, Herbicides, Pesticides, Polychlorinated Biphenyls (PCB), Metals, Mercury, Cyanide
SDG NUMBER:	JD61307
SAMPLING DATES:	March 2, 2023

SAMPLES:

Client Sample #	Lab Sample #	VOC	SVOC
LR-MW05-06-08-030223	JD61307-1	X	
LR-MW05-06-08-030223	JD61307-2		X
LR-MW05-06-08-030223DL	JD61307-2DL		X
LR-TB-030223	JD61307-4	X	

Client Sample #	Lab Sample #	1,4-Dioxane	HERB
LR-MW05-06-08-030223	JD61307-2	X	X

Client Sample #	Lab Sample #	PEST	PCB
LR-MW05-06-08-030223	JD61307-2	X	X

Client Sample #	Lab Sample #	Met/Hg	CN
LR-MW05-06-08-030223	JD61307-2	X	X
LR-MW05-06-08-030223DL	JD61307-2DL	X	

Suffix Codes: DL = DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Amy L. Hogan, Sandra Nacquin

DATA VALIDATION SUMMARY

SGS Dayton, New Jersey – JD61307 - Organics

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per SW846 Method 8260D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/6/23 at 09:25 on instrument GCMSL exceeded the 20% QC limit for the following compounds:

acetone	34.0%

2-butanone 24.4%

The result for these compounds in associated sample LR-TB-030223, which were both non-detect, were qualified as estimated (UJ).

The Percent Difference (%D) for the standards run on 3/9/23 at 11:25 on instrument GCMSY was -21.1% for bromomethane, which exceeded the 20% QC limit. The non-detect result for this compound in associated sample LR-MW05-06-08-030223 was qualified as estimated (UJ).

It was noted by the validator that the lab did not analyze a closing calibration standard. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Trip Blank:

There were no detections reported in the associated trip blank for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD data were submitted for this fraction of the SDG. One RPD exceeded the QC limits. Data qualification based on Batch QC data was not required, so no data qualification was necessary.

X.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOC)

SUMMARY

I.) General:

The analyses for Semivolatile Organics and for 1,4-dioxane as a Semivolatile Organic Compound (SVOC) were performed per SW-846 Method 8270E.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/9/23 at 20:51 on instrument GCMSCR exceeded the 20% QC limit for the following compounds:

2-nitroaniline	-31.2%
2,4-dinitrophenol	-52.7%
4-nitrophenol	-25.8
4-nitroaniline	-27.0%
4,6-dinitro-2-methylphenol	-43.1%
Butyl benzyl phthalate	-32.2%
3,3'-dichlorobenzidine	-23.7%
Bis(2-ethylhexyl) phthalate	-22.7%
Caprolactam	-247%

The non-detect results for these compounds in the SDG sample except bis(2-ethylhexyl) phthalate, which was reported from a dilution analysis, were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

There was no detection reported for the associated method blank. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. Due to the magnitude of the dilution, the results from the dilution analysis of the sample were not considered meaningful. No data qualification was

necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS/ MSD analyses data were submitted for this fraction of the SDG. Two Percent Recoveries (%Rs) and 6 Relative Percent Differences (RPDs) were outside the QC limits. Data qualification based on batch QC results was not required. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The bis(2-ethylhexyl) phthalate result for the initial analysis of the sample exceeded the linear calibration range. A 20X dilution analysis was performed with all calibration criteria met. Since the Form I for the sample was a composite of the results, no data qualification was necessary.

It was noted that the lab submitted the 1,4-dioxane result as part of the full SVOC analysis results. No data qualification was necessary.

HERBICIDES

SUMMARY

I.) General:

The analyses for Herbicides were performed per SW846 Method 8151A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/9/23 at 21:13 on instrument SVOAGCOA exceeded the 20% QC limit for the following compounds:

Dicamba	-21.9%
MCPP	-28.4%/-48.6%
MPCA	-33.1%, -58.0%
2,4-D	-20.5%
2,4-DB	-20.1%

The Non-detect results for these compounds in the SDG sample were qualified as estimated (J) and (UJ).

The Percent Differences (%Ds) for the standards run on 3/10/23 at 00:22 on instrument SVOAGCOA were -31.2% for MCPP and -31.1% for MCPA, which exceeded the 20% QC limit. The non-detect results for these compounds in the SDG sample were qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

2,4-D (22.5 mg/kg) and 2,4-DB (11.6 mg/kg) were reported in the associated method blanks. Since the blank result for 2,4-D was greater than the RL, the positive result for this compound in the sample, which was less than the RL, was qualified as undetected (U) with the result being raised to the RL. Since the 2,4-DB result for the sample was non-detect, no further data qualification based on the blank contamination was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. All %R and RPD were outside the QC limits. Data qualification based on batch QC results was not required. No data qualification was necessary.

VII.) Field Duplicates:

There were field duplicate samples identified as part of this SDG. No data qualification was necessary.

VIII.) TCL Compound Identification:

The confirmation column Relative Percent Difference (RPD) for 2,4-D at 25.6% exceeded the 25% QC limit. Since the result for this compound was qualified as undetected based on method blank contamination, no further data qualification based on this issue was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

PESTICIDES

SUMMARY

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards runs on 3/9/23 at 04:50 and 21:53 on instrument GC6G were 22.8% and 22.7% for methoxychlor, which exceeded the 20% QC limit. The non-detect methoxychlor result for the SDG sample was qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

There were no detections reported for the associated method blank. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. The Percent Recovery (%R) of methoxychlor at 106% exceeded the QC limits. Since the methoxychlor result for the sample was non-detect, no data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. Several %Rs and one RPD were outside the QC limits. Data qualification based on batch QC results were not required, so no data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

IX.) TCL Compound Identification:

The confirmation column Relative Percent Differences (RPDs) exceeded the 25% QC limit for the following compounds:

Alpha BHC	178.9%
Delta BHC	62.2%
Gamma chlordane	154.1%
Dieldrin	53.6%
4,4'-DDD	48.9%
4,4'-DDE	127.1%
4,4;-DDT	124.8%
Endosulfan II	154.1%
Heptachlor epoxide	158.8%

The results for these compounds in the SDG sample were qualified as estimated (J).

X.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

POLYCHLORINATED BIPHENYLS (PCB)

SUMMARY

I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

All Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IXI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL METALS

SUMMARY

I.) General:

The analyses for Total Metals were performed per SW846 Method 6010D.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL criteria were met. No data qualification was necessary.

IV.) Blanks:

Calibration Blanks:

There were no detections reported in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections reported in the associated preparation blank. No data qualification was necessary.

V.) Interference Check Sample (ICS) Results:

All ICS criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. Several Percent Recoveries (%Rs) were outside the QC limits. Data qualification based on batch QC results was not required. No data qualification was necessary.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VIII.) Serial Dilution Analysis:

Batch Serial Dilution Analysis data was submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

IX.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

Due to high concentration in the initial analysis of the sample, the results for 11 analytes were reported from a 5X dilution of the sample. Since the Form I is a composite of the results, no data qualification was necessary.

TOTAL MERCURY

SUMMARY

I.) General:

The analyses for Total Mercury were performed per SW846 Method 7471A.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

IV.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There weas no detection reported in the associated preparation blank. No data qualification was necessary.

V.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

Batch MS / MSD analyses results were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VII.) Serial Dilution Analysis:

Serial Dilution Analysis was not required for this fraction of the SDG. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL CYANIDE

SUMMARY

I.) General:

The analyses for Total Cyanide were performed per SW846 Method 9012B.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

Batch MS / MD analyses data were submitted for this fraction of the SDG. All criteria were met.

No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

Appendix A
Qualified Form Is

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-1	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
Method:	SW846 8260D	**Percent Solids:**	64.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y199026.D	1	03/09/23 18:29	PS	n/a	n/a	VY8707
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0307	0.013	0.0055	mg/kg	
71-43-2	Benzene	ND	0.00067	0.00061	mg/kg	
74-97-5	Bromochloromethane	ND	0.0067	0.00075	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0027	0.00057	mg/kg	
75-25-2	Bromoform	ND	0.0067	0.0018	mg/kg	
74-83-9	Bromomethane [a]	ND UJ	0.0067	0.0010	mg/kg	
78-93-3	2-Butanone (MEK)	0.0090	0.013	0.0032	mg/kg	J
75-15-0	Carbon disulfide	0.00092	0.0027	0.00071	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0027	0.00082	mg/kg	
108-90-7	Chlorobenzene	ND	0.0027	0.00061	mg/kg	
75-00-3	Chloroethane	ND	0.0067	0.00079	mg/kg	
67-66-3	Chloroform	ND	0.0027	0.00069	mg/kg	
74-87-3	Chloromethane	ND	0.0067	0.0026	mg/kg	
110-82-7	Cyclohexane	ND	0.0027	0.00088	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0027	0.00093	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0027	0.00075	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0013	0.00056	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0013	0.00073	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0013	0.00066	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0013	0.00066	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0067	0.00097	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0013	0.00066	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0013	0.00063	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0013	0.00087	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0013	0.0011	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0013	0.00082	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0027	0.00063	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0027	0.00063	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0027	0.00061	mg/kg	
100-41-4	Ethylbenzene	ND	0.0013	0.00060	mg/kg	
76-13-1	Freon 113	ND	0.0067	0.0036	mg/kg	
591-78-6	2-Hexanone	ND	0.0067	0.0028	mg/kg	

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-1	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
Method:	SW846 8260D	**Percent Solids:**	64.6
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0027	0.0019	mg/kg	
79-20-9	Methyl Acetate	ND	0.0067	0.0019	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0027	0.0012	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0013	0.00063	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0067	0.0030	mg/kg	
75-09-2	Methylene chloride	ND	0.0067	0.0035	mg/kg	
100-42-5	Styrene	ND	0.0027	0.00054	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0027	0.00080	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0027	0.00077	mg/kg	
108-88-3	Toluene	ND	0.0013	0.00070	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0067	0.0033	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0067	0.0033	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0027	0.00064	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0027	0.00074	mg/kg	
79-01-6	Trichloroethene	ND	0.0013	0.0010	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0067	0.00091	mg/kg	
75-01-4	Vinyl chloride	ND	0.0027	0.00064	mg/kg	
	m,p-Xylene	ND	0.0013	0.0012	mg/kg	
95-47-6	o-Xylene	ND	0.0013	0.00061	mg/kg	
1330-20-7	Xylene (total)	ND	0.0013	0.00061	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-124%
17060-07-0	1,2-Dichloroethane-D4	98%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	93%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.96	.017	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-2	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	70.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR726.D	1	03/10/23 02:40	RS	03/07/23 08:00	OP45073	ECR29
Run #2	Z162830.D	20	03/15/23 11:53	KH	03/07/23 08:00	OP45073	EZ8071

	Initial Weight	Final Volume
Run #1	30.4 g	5.0 ml
Run #2	30.4 g	5.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.47	0.12	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1.2	0.14	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	1.2	0.20	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	1.2	0.42	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND UJ	1.2	0.88	mg/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND UJ	1.2	0.25	mg/kg	
95-48-7	2-Methylphenol	ND	0.47	0.15	mg/kg	
	3&4-Methylphenol	ND	0.47	0.19	mg/kg	
88-75-5	2-Nitrophenol	ND	1.2	0.15	mg/kg	
100-02-7	4-Nitrophenol [a]	ND UJ	2.3	0.63	mg/kg	
87-86-5	Pentachlorophenol	ND	0.94	0.22	mg/kg	
108-95-2	Phenol	0.555	0.47	0.12	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	1.2	0.16	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1.2	0.18	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1.2	0.14	mg/kg	
83-32-9	Acenaphthene	0.184	0.23	0.081	mg/kg	J
208-96-8	Acenaphthylene	0.239	0.23	0.12	mg/kg	
98-86-2	Acetophenone	0.0609	1.2	0.050	mg/kg	J
120-12-7	Anthracene	0.486	0.23	0.14	mg/kg	
1912-24-9	Atrazine	ND	0.47	0.10	mg/kg	
56-55-3	Benzo(a)anthracene	0.713	0.23	0.066	mg/kg	
50-32-8	Benzo(a)pyrene	1.69	0.23	0.11	mg/kg	
205-99-2	Benzo(b)fluoranthene	2.08	0.23	0.10	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.58	0.23	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.412	0.23	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.47	0.090	mg/kg	
85-68-7	Butyl benzyl phthalate [a]	ND UJ	0.47	0.057	mg/kg	
92-52-4	1,1'-Biphenyl	0.0811	0.47	0.032	mg/kg	J
100-52-7	Benzaldehyde	ND	1.2	0.058	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.47	0.056	mg/kg	
106-47-8	4-Chloroaniline	ND	1.2	0.084	mg/kg	
86-74-8	Carbazole	0.230	0.47	0.034	mg/kg	J ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW05-06-08-030223
Lab Sample ID: JD61307-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/02/23
Date Received: 03/02/23
Percent Solids: 70.2

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND UJ	0.47	0.093	mg/kg	
218-01-9	Chrysene	0.625	0.23	0.074	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.47	0.050	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.47	0.10	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.47	0.084	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.47	0.076	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.23	0.073	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.23	0.12	mg/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND UJ	0.47	0.20	mg/kg	
123-91-1	1,4-Dioxane	ND	0.23	0.15	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.429	0.23	0.10	mg/kg	
132-64-9	Dibenzofuran	0.204	0.47	0.095	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.47	0.038	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.47	0.058	mg/kg	
84-66-2	Diethyl phthalate	ND	0.47	0.050	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.47	0.042	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	421 [b] J	9.4	1.1	mg/kg	
206-44-0	Fluoranthene	1.32	0.23	0.10	mg/kg	
86-73-7	Fluorene	0.314	0.23	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.47	0.059	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.23	0.094	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2.3	0.093	mg/kg	
67-72-1	Hexachloroethane	ND	1.2	0.12	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1.25	0.23	0.11	mg/kg	
78-59-1	Isophorone	ND	0.47	0.050	mg/kg	
91-57-6	2-Methylnaphthalene	0.167	0.23	0.053	mg/kg	J
88-74-4	2-Nitroaniline [a]	ND UJ	1.2	0.055	mg/kg	
99-09-2	3-Nitroaniline	ND	1.2	0.059	mg/kg	
100-01-6	4-Nitroaniline [a]	ND UJ	1.2	0.061	mg/kg	
91-20-3	Naphthalene	0.646	0.23	0.066	mg/kg	
98-95-3	Nitrobenzene	ND	0.47	0.090	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.47	0.068	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1.2	0.086	mg/kg	
85-01-8	Phenanthrene	0.856	0.23	0.079	mg/kg	
129-00-0	Pyrene	1.22	0.23	0.075	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.2	0.060	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	86%	88%	10-99%

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW05-06-08-030223
Lab Sample ID: JD61307-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/02/23
Date Received: 03/02/23
Percent Solids: 70.2

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	95%	91%	10-96%
118-79-6	2,4,6-Tribromophenol	112%	0% [c]	10-123%
4165-60-0	Nitrobenzene-d5	84%	108%	10-109%
321-60-8	2-Fluorobiphenyl	92%	116% [c]	11-109%
1718-51-0	Terphenyl-d14	95%	125% [c]	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	5.68	1.5	mg/kg	J
	alkane	6.07	2.5	mg/kg	J
	Unknown acid	6.29	19	mg/kg	J
	Unknown	6.33	1.6	mg/kg	J
	Unknown	6.36	1.5	mg/kg	J
	Unknown	6.39	2.1	mg/kg	J
	Unknown	6.45	4.4	mg/kg	J
57-10-3	n-Hexadecanoic acid	7.15	280	mg/kg	JN
	Unknown	7.25	2.5	mg/kg	J
	Unknown	7.35	2	mg/kg	J
	Unknown	7.40	4	mg/kg	J
	Unknown acid	7.45	6.6	mg/kg	J
	Unknown	7.52	4.9	mg/kg	J
	Unknown	7.56	2.6	mg/kg	J
	Unknown	7.60	3.6	mg/kg	J
	Unknown acid	7.77	150	mg/kg	J
	Unknown acid	9.76	2.7	mg/kg	J
	Alkane	10.14	1.7	mg/kg	J
	Unknown phthalate	10.24	1.6	mg/kg	J
	Alkane	10.48	3.7	mg/kg	J
	Alkane	10.85	2.4	mg/kg	J
	Unknown	10.98	1.5	mg/kg	J
	Sitosterol	12.10	5.4	mg/kg	J
	Unknown	12.18	2.2	mg/kg	J
	Unknown	12.47	1.6	mg/kg	J
	Total TIC, Semi-Volatile		511.6	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-2	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	70.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165392.D	1	03/09/23 22:48	TP	03/07/23 08:15	OP45061	GOA5843
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound		Result	RL	MDL	Units	Q
94-75-7	2,4-D	0.023	~~0.0133~~ UJ	0.023	0.013	mg/kg	J
93-72-1	2,4,5-TP (Silvex)		ND	0.0047	0.0026	mg/kg	
93-76-5	2,4,5-T		ND	0.0047	0.0023	mg/kg	
75-99-0	Dalapon		ND	0.0047	0.0029	mg/kg	
1918-00-9	Dicamba		ND UJ	0.0047	0.0024	mg/kg	
120-36-5	Dichloroprop		ND	0.023	0.013	mg/kg	
88-85-7	Dinoseb		ND	0.023	0.015	mg/kg	
94-74-6	MCPA		ND UJ	2.3	1.3	mg/kg	
93-65-2	MCPP		ND UJ	2.3	2.0	mg/kg	
87-86-5	Pentachlorophenol		0.0082	0.0023	0.00076	mg/kg	
94-82-6	2,4-DB		ND UJ	0.023	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	18%		10-138%
19719-28-9	2,4-DCAA	18%		10-138%

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-2	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	70.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89185.D	1	03/09/23 09:43	CP	03/07/23 08:00	OP45070	G6G3227
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00092	0.00076	mg/kg	
319-84-6	alpha-BHC [a]	0.0014 J	0.00092	0.00075	mg/kg	
319-85-7	beta-BHC	ND	0.00092	0.00083	mg/kg	
319-86-8	delta-BHC [b]	0.0031 J	0.00092	0.00088	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00092	0.00068	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00092	0.00074	mg/kg	
5103-74-2	gamma-Chlordane [a]	0.0046 J	0.00092	0.00042	mg/kg	
60-57-1	Dieldrin [b]	0.0142 J	0.00092	0.00063	mg/kg	
72-54-8	4,4'-DDD [b]	0.0017 J	0.00092	0.00084	mg/kg	
72-55-9	4,4'-DDE [a]	0.0037 J	0.00092	0.00081	mg/kg	
50-29-3	4,4'-DDT [a]	0.0183 J	0.00092	0.00081	mg/kg	
72-20-8	Endrin	ND	0.00092	0.00071	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00092	0.00072	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00092	0.00052	mg/kg	
959-98-8	Endosulfan-I	ND	0.00092	0.00053	mg/kg	
33213-65-9	Endosulfan-II [a]	0.0032 J	0.00092	0.00057	mg/kg	
76-44-8	Heptachlor	ND	0.00092	0.00079	mg/kg	
1024-57-3	Heptachlor epoxide [a]	0.0037 J	0.00092	0.00064	mg/kg	
72-43-5	Methoxychlor	ND UJ	0.0018	0.00073	mg/kg	
53494-70-5	Endrin ketone	ND	0.00092	0.00066	mg/kg	
8001-35-2	Toxaphene	ND	0.023	0.021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		13-162%
877-09-8	Tetrachloro-m-xylene	60%		13-162%
2051-24-3	Decachlorobiphenyl	54%		10-180%
2051-24-3	Decachlorobiphenyl	125%		10-180%

(a) More than 100% RPD due to matrix interference.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-MW05-06-08-030223
Lab Sample ID: JD61307-2
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/02/23
Date Received: 03/02/23
Percent Solids: 70.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G128710.D	1	03/08/23 07:44	CP	03/07/23 08:00	OP45071	G5G3271
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.046	0.021	mg/kg	
11104-28-2	Aroclor 1221	ND	0.046	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.046	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.046	0.019	mg/kg	
12672-29-6	Aroclor 1248	ND	0.046	0.041	mg/kg	
11097-69-1	Aroclor 1254	0.648	0.046	0.025	mg/kg	
11096-82-5	Aroclor 1260	0.185	0.046	0.020	mg/kg	
11100-14-4	Aroclor 1268	ND	0.046	0.019	mg/kg	
37324-23-5	Aroclor 1262	ND	0.046	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	54%		10-174%
877-09-8	Tetrachloro-m-xylene	58%		10-174%
2051-24-3	Decachlorobiphenyl	67%		10-195%
2051-24-3	Decachlorobiphenyl	82%		10-195%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW05-06-08-030223
Lab Sample ID: JD61307-2
Matrix: SO - Soil
Project: Lyndon Road Landfill

Date Sampled: 03/02/23
Date Received: 03/02/23
Percent Solids: 70.2

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	45200	350	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]
Antimony	< 2.8	2.8	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic [a]	< 14	14	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	100	28	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.30	0.28	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium [a]	< 3.5	3.5	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]
Calcium	22000	710	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	41.5	1.4	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 7.1	7.1	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper [a]	1080	18	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]
Iron	32700	350	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]
Lead [a]	193	14	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]
Magnesium	5350	710	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese [a]	325	11	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]
Mercury	0.23	0.045	mg/kg	1	03/07/23	03/08/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	37.3	5.6	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1400	1400	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium [a]	< 14	14	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]
Silver [a]	< 3.5	3.5	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 1400	1400	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium [a]	< 7.1	7.1	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	17.8	7.1	mg/kg	1	03/07/23	03/09/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	3110	35	mg/kg	5	03/07/23	03/10/23	ND	SW846 6010D [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA53830
(2) Instrument QC Batch: MA53846
(3) Instrument QC Batch: MA53851
(4) Prep QC Batch: MP38242
(5) Prep QC Batch: MP38281

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-2	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
		Percent Solids:	70.2
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.37	0.37	mg/kg	1	03/07/23 17:43	JD	SW846 9012B/LACHAT
Solids, Percent	70.2		%	1	03/06/23 04:07	RP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TB-030223		
Lab Sample ID:	JD61307-4	**Date Sampled:**	03/02/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	03/02/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L353856.D	1	03/06/23 16:08	MS	n/a	n/a	VL10735
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND UJ	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TB-030223		
Lab Sample ID:	JD61307-4	**Date Sampled:**	03/02/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	03/02/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA

Chemical Services, Inc.

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DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Soil and Water
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD61307
SAMPLING DATE(S):	March 2, 2023
REPORT DATE:	June 4, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
LR-MW05-06-08-030223	JD61307-2A	X
LR-EB-03223	JD61307-3	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD61307

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all samples and method types listed on the COC.

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements.

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

All Continuing Calibration Verification criteria were met. No data qualification was necessary.

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Method blank, OP95925-MB, associated with sample LR-EB-030223/JD61307-3, reported PFHxA < the reporting limit but greater than the method detection limit. The result in the sample was non-detect. No qualification was made based on this finding.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued for this SDG.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

The equipment blank, LR-EB-030223/JD61307-3, was free of contamination. No data were qualified based on equipment blank contamination.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analysis was performed on a sample from another SDG. No qualification was made based on this finding.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met for the soil sample. The LCS associated with the water sample, LR-EB-030223/JD61307-3, reported all analytes except, MeFOSAA, below the lower control limit of 70%. All analytes, except MeFOSAA, are estimated and the quantitation limits have been qualified "UJ".

VIII.) Field Duplicates:

There were no field duplicate samples identified in this SDG.

IX.) Extracted Internal Standards (EIS):

All EIS recoveries were within limits. No qualification was made based on EIS recoveries.

X.) Ion Transitions:

The following ratios of quantifier ion response to qualifier ion response were outside the laboratory criteria:

Client ID	**LAB ID**	**Analyte**	**Qualifier**
LR-MW05-06-08-030223	JD61307-2A	PFHxA PFHpA PFOA PFNA PFDA PFDoA PFHpS PFOSA	J

XI.) Reporting limits (RLs):

All reporting limit criteria were met. Several sample results were greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. These qualifiers were confirmed by the validator.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	LAB ID	Analyte	Qualifier
LR-MW05-06-08-030223	JD61307-2A	PFHxA PFHpA PFOA PFNA PFDA PFDoA PFHpS PFOSA	J
LR-EB-03223	JD61307-3	All Analytes EXCEPT MeFOSAA	UJ

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-2A	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	70.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15129.D	1	03/21/23 21:17	AFL	03/16/23 10:45	F:OP95917	F:S6Q229
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q	
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00071	mg/kg		
2706-90-3	Perfluoropentanoic acid	0.00032	0.00057	0.00014	mg/kg	J	
307-24-4	Perfluorohexanoic acid	0.00016	0.00028	0.00014	mg/kg	J	J
375-85-9	Perfluoroheptanoic acid	0.00025	0.00028	0.00014	mg/kg	J	J
335-67-1	Perfluorooctanoic acid	0.0055	0.00028	0.00014	mg/kg		J
375-95-1	Perfluorononanoic acid	0.00047	0.00028	0.00016	mg/kg		J
335-76-2	Perfluorodecanoic acid	0.00061	0.00028	0.00014	mg/kg		J
2058-94-8	Perfluoroundecanoic acid	ND	0.00028	0.00019	mg/kg		
307-55-1	Perfluorododecanoic acid	0.00015	0.00028	0.00014	mg/kg	J	J
72629-94-8	Perfluorotridecanoic acid	ND	0.00028	0.00014	mg/kg		
376-06-7	Perfluorotetradecanoic acid	ND	0.00028	0.00014	mg/kg		
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND	0.00028	0.00014	mg/kg		
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00028	0.00022	mg/kg		
355-46-4	Perfluorohexanesulfonic acid	0.00032	0.00028	0.00023	mg/kg		
375-92-8	Perfluoroheptanesulfonic acid	0.00058	0.00028	0.00021	mg/kg		J
1763-23-1	Perfluorooctanesulfonic acid	0.0487	0.00028	0.00014	mg/kg		
68259-12-1	Perfluorononanesulfonic acid	ND	0.00028	0.00026	mg/kg		
335-77-3	Perfluorodecanesulfonic acid	ND	0.00028	0.00020	mg/kg		
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00028	0.00021	mg/kg		
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00057	mg/kg		
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00057	mg/kg		
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00085	mg/kg		
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	0.00073	0.00028	0.00014	mg/kg	J	
31506-32-8	MeFOSA	ND	0.00028	0.00019	mg/kg		
4151-50-2	EtFOSA	ND	0.00028	0.00014	mg/kg		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/4/23

Report of Analysis

Client Sample ID:	LR-MW05-06-08-030223		
Lab Sample ID:	JD61307-2A	**Date Sampled:**	03/02/23
Matrix:	SO - Soil	**Date Received:**	03/02/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	70.2
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00028	0.00022	mg/kg	
2991-50-6	EtFOSAA	0.0016	0.00028	0.00028	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0028	0.0014	mg/kg	
1691-99-2	EtFOSE	ND	0.0028	0.0014	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00041	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00048	mg/kg	
377-73-1	PFMPA	ND	0.00057	0.00028	mg/kg	
863090-89-5	PFMBA	ND	0.00057	0.00028	mg/kg	
151772-58-6	NFDHA	ND	0.00057	0.00035	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00062	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00057	mg/kg	
113507-82-7	PFEESA	ND	0.00057	0.00028	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00072	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0071	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0071	0.0018	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	78%		20-150%
	13C5-PFPeA	76%		20-150%
	13C5-PFHxA	80%		20-150%
	13C4-PFHpA	80%		20-150%
	13C8-PFOA	78%		20-150%
	13C9-PFNA	77%		20-150%
	13C6-PFDA	86%		20-150%
	13C7-PFUnDA	87%		20-150%
	13C2-PFDoDA	85%		20-150%
	13C2-PFTeDA	82%		20-150%
	13C3-PFBS	76%		20-150%
	13C3-PFHxS	77%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/4/23

Report of Analysis

Client Sample ID: LR-MW05-06-08-030223
Lab Sample ID: JD61307-2A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/02/23
Date Received: 03/02/23
Percent Solids: 70.2

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	67%		20-150%
	13C8-FOSA	81%		20-150%
	d3-MeFOSA	71%		20-150%
	d5-EtFOSA	61%		20-150%
	d3-MeFOSAA	88%		20-150%
	d5-EtFOSAA	104%		20-150%
	d7-MeFOSE	70%		20-150%
	d9-EtFOSE	64%		20-150%
	13C2-4:2FTS	85%		20-150%
	13C2-6:2FTS	83%		20-150%
	13C2-8:2FTS	66%		20-150%
	13C3-HFPO-DA	76%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-EB-030223		
Lab Sample ID:	JD61307-3	**Date Sampled:**	03/02/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/02/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15083.D	1	03/21/23 08:44	AFL	03/16/23 13:10	F:OP95925	F:S6Q228
Run #2							

	Initial Volume	Final Volume
Run #1	550 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0073	0.0036	ug/l	UJ
2706-90-3	Perfluoropentanoic acid	ND	0.0036	0.00091	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00045	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00045	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00045	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00055	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00045	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00055	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00055	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00076	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00045	ug/l	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00091	ug/l	UJ
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00091	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00091	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00091	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00091	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00091	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0073	0.0036	ug/l	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0073	0.0036	ug/l	UJ
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0073	0.0037	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00091	ug/l	UJ
31506-32-8	MeFOSA	ND	0.0018	0.00091	ug/l	UJ
4151-50-2	EtFOSA	ND	0.0018	0.00091	ug/l	UJ

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/4/23

Report of Analysis

Client Sample ID:	LR-EB-030223		
Lab Sample ID:	JD61307-3	**Date Sampled:**	03/02/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/02/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00091	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0091	ug/l	UJ
1691-99-2	EtFOSE	ND	0.018	0.0091	ug/l	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0073	0.0018	ug/l	UJ
919005-14-4	ADONA	ND	0.0073	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0036	0.00091	ug/l	
863090-89-5	PFMBA	ND	0.0036	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0036	0.0011	ug/l	UJ
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0073	0.0018	ug/l	UJ
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0073	0.0018	ug/l	UJ
113507-82-7	PFEESA	ND	0.0036	0.00091	ug/l	UJ
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0091	0.0045	ug/l	UJ
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.045	0.0091	ug/l	UJ
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.045	0.0091	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	107%		20-150%
	13C5-PFPeA	97%		20-150%
	13C5-PFHxA	96%		20-150%
	13C4-PFHpA	95%		20-150%
	13C8-PFOA	101%		20-150%
	13C9-PFNA	103%		20-150%
	13C6-PFDA	106%		20-150%
	13C7-PFUnDA	102%		20-150%
	13C2-PFDoDA	95%		20-150%
	13C2-PFTeDA	90%		20-150%
	13C3-PFBS	104%		20-150%
	13C3-PFHxS	100%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/4/23

Report of Analysis

Client Sample ID: LR-EB-030223
Lab Sample ID: JD61307-3
Matrix: AQ - Equipment Blank
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/02/23
Date Received: 03/02/23
Percent Solids: n/a

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	107%		20-150%
	13C8-FOSA	94%		20-150%
	d3-MeFOSA	76%		20-150%
	d5-EtFOSA	85%		20-150%
	d3-MeFOSAA	99%		20-150%
	d5-EtFOSAA	91%		20-150%
	d7-MeFOSE	92%		20-150%
	d9-EtFOSE	91%		20-150%
	13C2-4:2FTS	118%		20-150%
	13C2-6:2FTS	119%		20-150%
	13C2-8:2FTS	106%		20-150%
	13C3-HFPO-DA	91%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ramboll
SITE NAME:	Lyndon Rd. Landfill
CONTRACTED LAB:	SGS Dayton, NJ
QA/QC LEVEL:	DUSR
EPA SOW/METHODS:	SW-846 Methods
VALIDATION GUIDELINES:	*USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS_SOP_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1)*; Professional Judgment
SAMPLE MATRICES:	Soil & Water
TYPE OF ANALYSIS:	Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), 1,4-dioxane, Herbicides, Pesticides, Polychlorinated Biphenyls (PCB), Metals, Mercury, Cyanide, Total Organic Carbon (TOC)
SDG NUMBER:	JD61598
SAMPLING DATES:	March 7, 2023

SAMPLES:

Client Sample #	Lab Sample #	VOC	SVOC
LR-TB-030723	JD61598-1	X	
DUP-030723	JD61598-2	X	
DUP-030723	JD61598-2A		X
LR-TT02-0.2-1.0-030723	JD61598-9	X	X
LR-TT02-0.2-1.0-030723MS	JD61598-9MS	X	X
LR-TT02-0.2-1.0-030723MSD	JD61598-9MSD	X	X

Client Sample #	Lab Sample #	1,4-Dioxane	HERB
DUP-030723	JD61598-2A		X
DUP-030723RE	JD61598-2ARE		X
LR-TT01-0.2-0.2-030723	JD61598-3	X	
LR-TT07-04-05-030723	JD61598-8	X	
LR-TT02-0.2-1.0-030723	JD61598-9		X
LR-TT02-0.2-1.0-030723RE	JD61598-9RE		X
LR-TT02-0.2-1.0-030723MS	JD61598-9MS		X
LR-TT02-0.2-1.0-030723MSD	JD61598-9MSD		X
LR-TT02-0.0-0.2-030723	JD61598-10	X	
LR-TT03-0.0-0.2-030723	JD61598-11	X	

Client Sample #	Lab Sample #	PEST	PCB
DUP-030723	JD61598-2A	X	X
LR-TT02-0.2-0.1-030723	JD61598-9	X	X
LR-TT02-0.2-0.1-030723MS	JD61598-9MS	X	X
LR-TT02-0.2-0.1-030723MSD	JD61598-9MSD	X	X

Client Sample #	Lab Sample #	Met/Hg	CN
DUP-030723	JD61598-2A	X	X
LR-TT02-0.2-0.1-030723	JD61598-9	X	X
LR-TT02-0.2-0.1-030723MS	JD61598-9MS	X	X
LR-TT02-0.2-0.1-030723MSD	JD61598-9MSD	X	X

Client Sample #	Lab Sample #	TOC
DUP-030723	JD61598-2A	X
LR-TT01-0.2-1.0-030723	JD61598-4	X
LR-TT07-0.2-1.0-030723	JD61598-7	X
LR-TT02-0.2-1.0-030723	JD61598-9	X
LR-TT02-0.2-1.0-030723MS	JD61598-9MS	X
LR-TT02-0.2-1.0-030723MSD	JD61598-9MSD	X
LR-TT03-0.2-1.0-030723	JD61598-12	X

Suffix Codes: DL = DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Amy L. Hogan, Sandra Nacquin

DATA VALIDATION SUMMARY

SGS Dayton, New Jersey – JD61598 - Organics

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per SW846 Method 8260D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

The Percent Difference (%D) for the standards run on 1/21/23 at 23:34 on instrument GCMSI was 34.9% for acetone, which exceeded the 30% QC limit. The positive and non-detect acetone results for the soil SDG samples were qualified as estimated (J) and (UJ).

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/10/23 at 10:00 on instrument GCMSR exceeded the 20% QC limit for the following compounds:

Bromomethane	44.3%
acetone	-53.2%
2-butanone	-32.1%
1,2-dichloroethane	-29.1%
Bromodichloromethane	-20.2%
4-methyl-2-pentanone	-27.6%

The results for these compounds in the water sample for this SDG, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/10/23 at 10:38 on instrument GCMSI exceeded the 20% QC limit for the following compounds:

Acetone	-34.9%
Chloroform	-42.2%
2-butanone	-36.5%

The positive and non-detect results for these compounds in the soil SDG samples were qualified as estimated (J) and (UJ).

It was noted by the validator that the lab did not analyze a closing calibration standard. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Trip Blank:

There were no detections reported in the associated trip blank for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. A total of 4 Percent Recoveries (%Rs) exceeded the QC limits. Since the SDG sample results for these compounds were non-detect, no data qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analysis was performed using sample LR-TT02-0.2-1.0-030723, Three Percent Recoveries (%Rs) were below the QC limits. Data qualification based on MS / MSD criteria alone was not required. No data qualification was necessary.

Batch MS / MSD data were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

X.) Field Duplicates:

One set of field duplicate samples (LR-TT02-0.2-1.0-030723 / DUP-030723) was identified as part of this SDG. The calculable difference for methyl acetate was less than the RL and the difference for acetone was greater than the RL. Data qualification based on field duplicate results was not required. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOC)

SUMMARY

I.) General:

The analyses for Semivolatile Organics and for 1,4-dioxane as a Semivolatile Organic Compound (SVOC) were performed per SW-846 Method 8270E.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/13/23 at 09:27 on instrument GCMSZ exceeded the 20% QC limit for the following compounds:

2,4-dinitrophenol	-31.0%
4,6-dinitro-2-methylphenol	-24.1%

The results for these compounds in the SDG samples, which were all non-detect, were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

Bis(2-ethylhexyl) phthalate was reported at 31.1 ug/kg in the associated method blank. Since the blank result was less than the RL, the positive results for this compound in the SDG samples, which were less than the RL, were qualified as undetected (U) with the result being raised to the RL.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS/ MSD analyses were performed using sample LR-TT02-0.2-1.0-030723. One Relative Percent Difference (RPD) exceeded the QC limits. Data qualification based on MS / MSD results along was not required. No data qualification was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (LR-TT02-0.2-1.0-030723 / DUP-030723) was identified for this SDG. The calculable Relative Percent Differences (RPDs) were:

Benzo(a) anthracene	164%
Benzo(a) pyrene	156%
Benzo(b)fluoranthene	159%
Benzo(g,h.i) perylene	150%
Benzo(k)fluoranthene	155%
chrysene	163%
Fluoranthene	164%
Indeno(1,2,3-cd) pyrene	160%
Phenanthrene	172%
Pyrene	164%

All RPDs exceeded the advisory 50% QC limit and the calculable differences for acenaphthene, anthracene, carbazole, dibenzo(a,h) anthracene, dibenzofuran, di-n-butyl phthalate, bis(2-ethylhexyl) phthalate and fluorene were all greater than the RL. The calculable differences for

benzaldehyde, 1,1-biphenyl, 2-methylnaphthalene and naphthalene were less than the RL. Data qualification based on field duplicate results was not required. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

HERBICIDES

SUMMARY

I.) General:

The analyses for Herbicides were performed per SW846 Method 8151A.

II.) Overall Assessment of Data:

Due to extremely low surrogate recoveries, all non-detect results for both SDG samples were rejected (R).

All other laboratory data were acceptable with qualifications.

MAJOR ISSUES

I.) Surrogate Recoveries:

The Percent Recoveries (%Rs) for 2,4-DCAA at 4% and 3% for sample DUP-030723 and at 4% and 4% for LR-TT02-0.2-1.0-030723 were below the QC limits. The laboratory confirmed the results by reanalysis. Since the %Rs were less than 10%, the positive results for the samples were qualified as estimated (J) and the non-detect results for the samples were rejected (R).

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/12/23 at 11:38 on instrument GC9G was 23.1% for 2,4-DB, which exceeded the 20% QC limit. Since the results for this compound in the samples were previously rejected based on surrogate recoveries, no further data qualification was necessary.

The Percent Differences (%Ds) for the standards run on 3/12/23 at 15:44 on instrument GC9G exceeded the 20% QC limit for the following compounds:

Dinoseb	57.3%/68.0%
2,4,5-T	20.4%
2,4-DB	20.7%31.1%

Since the results for these compounds in the SDG samples were previously rejected based on surrogate recoveries, no further data qualification was necessary.

III.) Blanks:

Method Blanks:

2,4-D (17.7 ug/kg) was reported in the associated method blank. Since the results for this compound in the SDG samples were non-detect, no data qualification was necessary.

IV.) Surrogate Recoveries:

Please see the Major Issues section for this fraction of the SDG.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed for this fraction of the SDG. All criteria were met. No data qualification

was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analyses were performed using sample LR-TT02-0.2-1.0-030723. Thirteen Percent Recoveries (%Rs) were less than 10% and 4 RPDs exceeded the QC limits. Since the parent sample results were previously qualified based on the surrogate recoveries, no further data qualification was necessary.

VII.) Field Duplicates:

One set of field duplicate samples (LR-TT02-0.2-1.0-030723 / DUP-030723) was identified as part of this SDG. The calculable difference for pentachlorophenol was less than the RL. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

PESTICIDES

SUMMARY

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/13/23 at 11:51 on instrument GC6G exceeded the 20% QC limit for the following compounds:

Delta BHC	-29.7%
Methoxychlor	27.0%

The non-detect results for these compounds in both SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/13/23 at 20:50 on instrument GC6G exceeded the 20% QC limit for the following compounds:

Alpha BHC	-25.6%
Delta BHC	-53.7%/-25.2%
Methoxychlor	26.2%

The non-detect results for these compounds in both SDG samples were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

4,4'-DDT (6.4 ug/kg) was reported in the associated method blank. Since the blank result was greater than the RL, the positive result for sample LR-TT02-0.2-1.0-030723, which was greater

than the RL but less than the blank concentration, was qualified as undetected (U).

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. The Percent Recoveries (%Rs) for delta BHC and Methoxychlor exceeded the QC limits. Since the associated sample results were non-detect, no data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using sample LR-TT02-0.2-1.0-030723. The Percent Recoveries (%Rs) for delta BHC and Methoxychlor exceeded the QC limits. Since the associated sample results were non-detect, no data qualification was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (LR-TT02-0.2-1.0-030723 / DUP-030723) was identified as part of this SDG. The calculable Relative Percent Differences (RPDs) were:

Alpha chlordane	74%
Gamma chlordane	89%
Dieldrin	76%
4,4'-DDD	108%
4,4'-DDE	74%

All RPDs exceeded the advisory 50% QC limit and the calculable difference for 4,4'-DDT was greater than the RL. Data qualification based on field duplicate results was not required. No data qualification was necessary.

IX.) TCL Compound Identification:

The confirmation column Relative Percent Differences (RPDs) exceeded the 25% QC limit in sample DUP-030723 for the following compounds:

Alpha chlordane	71.5%
Gamma chlordane	115.8%
4,4'-DDE	31.6%
4,4'-DDT	64.3%

The positive results for these compounds were qualified as estimated (J).

The RPDs in sample LR-TT02-0.2-1.0-030723 exceeded the 25% QC limit for the following compounds:

Alpha chlordane	75.7%
Gamma chlordane	142.4%
4,4'-DDE	66.7%
4,4'-DDT	88.5%

The results for these compounds in the SDG sample were qualified as estimated (J).

X.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

POLYCHLORINATED BIPHENYLS (PCB)

SUMMARY

I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/13/23 at 14:23 on instrument G1530A was -22.9% for Aroclor 1016 (A), which exceeded the 20% QC limit. The non-detect Aroclor 1016 results for both samples were qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using sample LR-TT02-0.2-1.0-0300723. All criteria were met. No data qualification was necessary.

VII.) Field Duplicates:

One set of field duplicate samples (LR-TT02-0.2-1.0-030723 / DUP-030723) was identified as part of this SDG. The calculable RPD of 24% for Aroclor 1262 was within the advisory 50% QC limit. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IXI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL METALS

SUMMARY

I.) General:

The analyses for Total Metals were performed per SW846 Method 6010D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL criteria were met. No data qualification was necessary.

IV.) Blanks:

Calibration Blanks:

There were no detections reported in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections reported in the associated preparation blank. No data qualification was necessary.

V.) Interference Check Sample (ICS) Results:

All ICS criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using sample LR-TT02-0.2-1.0-030723. The Percent Recoveries (%Rs) were outside the QC limits for the following analytes:

Analyte	MS, %R	MSD, %R
Aluminum	156%	185.1%
Antimony	58.9%	60.1%
Iron	63.7%	
Lead	157.2%	203%
Magnesium	70.0%	
Manganese	70.8%	
Potassium		128.3%

The post spike results for antimony were within the QC limits. Post spike analysis was not submitted for lead and manganese. The matrix spike analysis for aluminum, iron, magnesium and potassium is not required for soil samples, the results for these analytes were not qualified. The non-detect antimony result for the parent sample was qualified as estimated (UJ), the positive lead result was qualified as estimated biased high (J+) and the positive manganese result was qualified as estimated biased low (J-)

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VIII.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using sample LR-TT02-0.2-1.0-030723. All criteria were met. No data qualification was necessary.

IX.) Field Duplicates:

One set of field duplicate samples (LR-TT02-0.2-1.0-030723 / DUP-030723) was identified for this SDG. The calculable Relative Percent Differences (RPDs) were:

Aluminum	5.4%
Arsenic	9.1%
Barium	104%
Beryllium	2.7%
Calcium	12%
Chromium	32%
Copper	29%
Iron	5.7%
Lead	141%
Magnesium	3.9%
manganese	2.7%
Nickel	14%
Vanadium	9.4%
Zinc	96%

The RPDs for barium, lead and zinc exceeded the advisory 50% QC limit. Data qualification based on field duplicate results were not required. No data qualification was necessary.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL MERCURY

SUMMARY

I.) General:

The analyses for Total Mercury were performed per SW846 Method 7471A.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

IV.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There weas no detection reported in the associated preparation blank. No data qualification was necessary.

V.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using sample LR-TT02-0.2-1.0-030723. All criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VII.) Serial Dilution Analysis:

Serial Dilution Analysis was not required for this fraction of the SDG. No data qualification was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (LR-TT02-0.2-1.0-030723 / DUP-030723) was identified for

this SDG. The calculable Relative Percent Difference (RPD) of 11% was within the advisory 50% QC limit. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL CYANIDE

SUMMARY

I.) General:

The analyses for Total Cyanide were performed per SW846 Method 9012B.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

MS / MD analyses were performed using sample LR-TT02-0.2-1.0-030723. All criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

One set of field duplicate samples (LR-TT02-0.2-1.0-030723 / DUP-030723) was identified for this SDG. The calculable difference was less than the RL. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL ORGANIC CARBON (TOC)

SUMMARY

I.) General:

The analyses for Total Organic Carbon (TOC) were performed per Lloyd Kahn 1988 Modified.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

MS / MD analyses were performed using sample LR-TT02-0.2-1.0-030723. All criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

One set of field duplicate samples (LR-TT02-0.2-1.0-030723 / DUP-030723) was identified for this SDG. The calculable Relative Percent Difference (RPD) was 17%, which was within the advisory 50% QC limit. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

Appendix A
Qualified Form Is

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TB-030723		
Lab Sample ID:	JD61598-1	**Date Sampled:**	03/07/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	03/09/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1R02763.D	1	03/10/23 16:23	KD	n/a	n/a	V1R90
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane [b]	ND UJ	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [c]	ND UJ	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND UJ	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane [b]	ND UJ	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TB-030723		
Lab Sample ID:	JD61598-1	**Date Sampled:**	03/07/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	03/09/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	1.9	ug/l	UJ
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
17060-07-0	1,2-Dichloroethane-D4	114%		80-120%
2037-26-5	Toluene-D8	92%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.44	25	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8260D	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I249046.D	1	03/10/23 13:00	CL	n/a	n/a	VI10110
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	0.013	0.0054	mg/kg	
71-43-2	Benzene	ND	0.00065	0.00060	mg/kg	
74-97-5	Bromochloromethane	ND	0.0065	0.00073	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0026	0.00056	mg/kg	
75-25-2	Bromoform	ND	0.0065	0.0018	mg/kg	
74-83-9	Bromomethane	ND	0.0065	0.0010	mg/kg	
78-93-3	2-Butanone (MEK)	ND UJ	0.013	0.0032	mg/kg	
75-15-0	Carbon disulfide	ND	0.0026	0.00070	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0026	0.00081	mg/kg	
108-90-7	Chlorobenzene	ND	0.0026	0.00060	mg/kg	
75-00-3	Chloroethane	ND	0.0065	0.00077	mg/kg	
67-66-3	Chloroform [b]	ND UJ	0.0026	0.00068	mg/kg	
74-87-3	Chloromethane	ND	0.0065	0.0026	mg/kg	
110-82-7	Cyclohexane	ND	0.0026	0.00086	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0026	0.00091	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0026	0.00073	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0013	0.00055	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0013	0.00071	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0013	0.00065	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0013	0.00065	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0065	0.00095	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0013	0.00065	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0013	0.00061	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0013	0.00086	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0013	0.0011	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0013	0.00080	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0026	0.00062	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0026	0.00062	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0026	0.00060	mg/kg	
100-41-4	Ethylbenzene	ND	0.0013	0.00059	mg/kg	
76-13-1	Freon 113	ND	0.0065	0.0035	mg/kg	
591-78-6	2-Hexanone [a]	ND	0.0065	0.0028	mg/kg	

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8260D	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0026	0.0019	mg/kg	
79-20-9	Methyl Acetate	ND	0.0065	0.0018	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0026	0.0011	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0013	0.00061	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0065	0.0030	mg/kg	
75-09-2	Methylene chloride	ND	0.0065	0.0034	mg/kg	
100-42-5	Styrene	ND	0.0026	0.00053	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0026	0.00078	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0026	0.00076	mg/kg	
108-88-3	Toluene	ND	0.0013	0.00069	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0065	0.0033	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0065	0.0033	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0026	0.00063	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0026	0.00072	mg/kg	
79-01-6	Trichloroethene	ND	0.0013	0.0010	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0065	0.00089	mg/kg	
75-01-4	Vinyl chloride	ND	0.0026	0.00063	mg/kg	
	m,p-Xylene	ND	0.0013	0.0012	mg/kg	
95-47-6	o-Xylene	ND	0.0013	0.00060	mg/kg	
1330-20-7	Xylene (total)	ND	0.0013	0.00060	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-124%
17060-07-0	1,2-Dichloroethane-D4	111%		75-133%
2037-26-5	Toluene-D8	103%		79-125%
460-00-4	4-Bromofluorobenzene	98%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: DUP-030723
Lab Sample ID: JD61598-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 73.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z162785.D	1	03/13/23 12:45	KH	03/11/23 11:30	OP45155	EZ8069
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.088	0.022	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.22	0.027	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.22	0.038	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.22	0.078	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND UJ	0.22	0.17	mg/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND UJ	0.22	0.047	mg/kg	
95-48-7	2-Methylphenol	ND	0.088	0.028	mg/kg	
	3&4-Methylphenol	ND	0.088	0.036	mg/kg	
88-75-5	2-Nitrophenol	ND	0.22	0.029	mg/kg	
100-02-7	4-Nitrophenol	ND	0.44	0.12	mg/kg	
87-86-5	Pentachlorophenol	ND	0.18	0.041	mg/kg	
108-95-2	Phenol	ND	0.088	0.023	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.22	0.029	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.22	0.033	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.22	0.026	mg/kg	
83-32-9	Acenaphthene	0.219	0.044	0.015	mg/kg	
208-96-8	Acenaphthylene	ND	0.044	0.022	mg/kg	
98-86-2	Acetophenone	ND	0.22	0.0095	mg/kg	
120-12-7	Anthracene	0.464	0.044	0.027	mg/kg	
1912-24-9	Atrazine	ND	0.088	0.019	mg/kg	
56-55-3	Benzo(a)anthracene	1.61	0.044	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	1.30	0.044	0.020	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.79	0.044	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.648	0.044	0.022	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.591	0.044	0.021	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.088	0.017	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.088	0.011	mg/kg	
92-52-4	1,1'-Biphenyl	0.0073	0.088	0.0060	mg/kg	J
100-52-7	Benzaldehyde	0.120	0.22	0.011	mg/kg	J
91-58-7	2-Chloronaphthalene	ND	0.088	0.010	mg/kg	
106-47-8	4-Chloroaniline	ND	0.22	0.016	mg/kg	
86-74-8	Carbazole	0.264	0.088	0.0064	mg/kg	

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-030723
Lab Sample ID: JD61598-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 73.5

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.088	0.017	mg/kg	
218-01-9	Chrysene	1.46	0.044	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.088	0.0094	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.088	0.019	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.088	0.016	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.088	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.044	0.014	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.044	0.022	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.088	0.037	mg/kg	
123-91-1	1,4-Dioxane	ND	0.044	0.029	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.204	0.044	0.019	mg/kg	
132-64-9	Dibenzofuran	0.0701	0.088	0.018	mg/kg	J
84-74-2	Di-n-butyl phthalate	0.0155	0.088	0.0072	mg/kg	J
117-84-0	Di-n-octyl phthalate	ND	0.088	0.011	mg/kg	
84-66-2	Diethyl phthalate	ND	0.088	0.0094	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.088	0.0078	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	2.11	0.088	0.010	mg/kg	B
206-44-0	Fluoranthene	2.66	0.044	0.020	mg/kg	
86-73-7	Fluorene	0.165	0.044	0.020	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.088	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.044	0.018	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.44	0.018	mg/kg	
67-72-1	Hexachloroethane	ND	0.22	0.022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.892	0.044	0.021	mg/kg	
78-59-1	Isophorone	ND	0.088	0.0094	mg/kg	
91-57-6	2-Methylnaphthalene	0.0183	0.044	0.0099	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.22	0.010	mg/kg	
99-09-2	3-Nitroaniline	ND	0.22	0.011	mg/kg	
100-01-6	4-Nitroaniline	ND	0.22	0.011	mg/kg	
91-20-3	Naphthalene	0.0212	0.044	0.012	mg/kg	J
98-95-3	Nitrobenzene	ND	0.088	0.017	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.088	0.013	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.22	0.016	mg/kg	
85-01-8	Phenanthrene	1.70	0.044	0.015	mg/kg	
129-00-0	Pyrene	2.21	0.044	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.22	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		10-99%

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Report of Analysis

Client Sample ID: DUP-030723
Lab Sample ID: JD61598-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 73.5

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	40%		10-96%
118-79-6	2,4,6-Tribromophenol	48%		10-123%
4165-60-0	Nitrobenzene-d5	42%		10-109%
321-60-8	2-Fluorobiphenyl	42%		11-109%
1718-51-0	Terphenyl-d14	42%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.69	.21	mg/kg	J
	system artifact	3.66	.19	mg/kg	J
	system artifact/aldol-condensation	3.69	.24	mg/kg	J
	Phenanthrene methyl	9.47	.32	mg/kg	J
	Phenanthrene methyl	9.51	.32	mg/kg	J
	unknown	10.36	.22	mg/kg	J
	unknown	11.29	.2	mg/kg	J
	Pyrene methyl	11.32	.2	mg/kg	J
	Pyrene methyl	11.42	.2	mg/kg	J
	unknown	11.69	.34	mg/kg	J
	Benzo[b]naphtho[-d]thiophene	12.27	.27	mg/kg	J
	unknown	12.43	.33	mg/kg	J
	Chrysene methyl	13.29	.18	mg/kg	J
1090-13-7	5,12-Naphthacenedione	13.77	.23	mg/kg	JN
	unknown PAH substance	14.39	.41	mg/kg	J
	unknown	14.53	.19	mg/kg	J
	unknown	14.58	.25	mg/kg	J
	unknown PAH substance	14.62	.93	mg/kg	J
	unknown	15.01	.29	mg/kg	J
	unknown	15.03	.18	mg/kg	J
	unknown	15.49	.31	mg/kg	J
	unknown	15.93	.21	mg/kg	J
	unknown PAH substance	16.05	.29	mg/kg	J
	unknown PAH substance	16.38	.3	mg/kg	J
	unknown PAH substance	16.42	.2	mg/kg	J
	unknown PAH substance	16.80	.49	mg/kg	J
	Total TIC, Semi-Volatile		6.86	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4025.D	1	03/12/23 13:34	TL	03/11/23 11:45	OP45156	G9G217
Run #2 [a]	9G4133.D	1	03/16/23 13:26	MLC	03/11/23 11:45	OP45156	G9G223

	Initial Weight	Final Volume
Run #1	15.8 g	5.0 ml
Run #2	15.8 g	5.0 ml

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND R	0.022	0.012	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0043	0.0024	mg/kg	
93-76-5	2,4,5-T	ND	0.0043	0.0021	mg/kg	
75-99-0	Dalapon	ND	0.0043	0.0026	mg/kg	
1918-00-9	Dicamba	ND	0.0043	0.0022	mg/kg	
120-36-5	Dichloroprop	ND	0.022	0.012	mg/kg	
88-85-7	Dinoseb [b]	ND	0.022	0.014	mg/kg	
94-74-6	MCPA	ND	2.2	1.2	mg/kg	
93-65-2	MCPP	ND	2.2	1.8	mg/kg	
87-86-5	Pentachlorophenol	0.0026 J	0.0022	0.00070	mg/kg	
94-82-6	2,4-DB [b]	ND R	0.022	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	4% [c]	4% [c]	10-138%
19719-28-9	2,4-DCAA	3% [c]	4% [c]	10-138%

(a) Confirmation run.
(b) Associated CCV outside of control limits low.
(c) Outside of in house control limits.

ALH 6/29/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: DUP-030723
Lab Sample ID: JD61598-2
Matrix: SO - Soil
Method: SW846 8081B SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 73.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89282.D	1	03/13/23 14:19	MLC	03/11/23 08:30	OP45152	G6G3231
Run #2	6G89361.D	5	03/15/23 16:57	MLC	03/11/23 08:30	OP45152	G6G3235

	Initial Weight	Final Volume
Run #1	16.8 g	10.0 ml
Run #2	16.8 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00081	0.00067	mg/kg	
319-84-6	alpha-BHC	ND UJ	0.00081	0.00066	mg/kg	
319-85-7	beta-BHC	ND	0.00081	0.00073	mg/kg	
319-86-8	delta-BHC	ND UJ	0.00081	0.00078	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00081	0.00060	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.0158 J	0.00081	0.00065	mg/kg	
5103-74-2	gamma-Chlordane [a]	0.0148 J	0.00081	0.00037	mg/kg	
60-57-1	Dieldrin	0.0104	0.00081	0.00056	mg/kg	
72-54-8	4,4'-DDD	0.0040	0.00081	0.00074	mg/kg	
72-55-9	4,4'-DDE [a]	0.0039 J	0.00081	0.00071	mg/kg	
50-29-3	4,4'-DDT	0.0805 [b] J	0.0040	0.0036	mg/kg	B
72-20-8	Endrin	ND	0.00081	0.00063	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00081	0.00063	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00081	0.00046	mg/kg	
959-98-8	Endosulfan-I	ND	0.00081	0.00047	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00081	0.00051	mg/kg	
76-44-8	Heptachlor	ND	0.00081	0.00070	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00081	0.00057	mg/kg	
72-43-5	Methoxychlor	ND UJ	0.0016	0.00064	mg/kg	
53494-70-5	Endrin ketone	ND	0.00081	0.00059	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%	98%	13-162%
877-09-8	Tetrachloro-m-xylene	104%	97%	13-162%
2051-24-3	Decachlorobiphenyl	61%	78%	10-180%
2051-24-3	Decachlorobiphenyl	130%	127%	10-180%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Result is from Run# 2

ALH 6/29/23

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SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2498644.D	1	03/13/23 13:14	MLC	03/11/23 08:30	OP45153	GXX8112
Run #2							

	Initial Weight	Final Volume
Run #1	16.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND UJ	0.040	0.019	mg/kg	
11104-28-2	Aroclor 1221	ND	0.040	0.025	mg/kg	
11141-16-5	Aroclor 1232	ND	0.040	0.026	mg/kg	
53469-21-9	Aroclor 1242	ND	0.040	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.040	0.036	mg/kg	
11097-69-1	Aroclor 1254	ND	0.040	0.022	mg/kg	
11096-82-5	Aroclor 1260	ND	0.040	0.017	mg/kg	
11100-14-4	Aroclor 1268	ND	0.040	0.017	mg/kg	
37324-23-5	Aroclor 1262	0.0896	0.040	0.026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		10-174%
877-09-8	Tetrachloro-m-xylene	109%		10-174%
2051-24-3	Decachlorobiphenyl	86%		10-195%
2051-24-3	Decachlorobiphenyl	102%		10-195%

ALH 6/29/23

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-030723
Lab Sample ID: JD61598-2
Matrix: SO - Soil
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 73.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6440	68	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.7	2.7	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	4.6	2.7	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	242	27	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.38	0.27	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.68	0.68	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	32000	1400	mg/kg	2	03/11/23	03/15/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	12.6	1.4	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 6.8	6.8	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	17.8	3.4	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	12700	68	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	1670	5.4	mg/kg	2	03/11/23	03/15/23	ND	SW846 6010D [3]	SW846 3050B [4]
Magnesium	10600	680	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	300	2.0	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.092	0.044	mg/kg	1	03/10/23	03/12/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	10.1	5.4	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1400	1400	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.7	2.7	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.68	0.68	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1400	1400	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.4	1.4	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	16.7	6.8	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	266	6.8	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53849
(2) Instrument QC Batch: MA53854
(3) Instrument QC Batch: MA53864
(4) Prep QC Batch: MP38342
(5) Prep QC Batch: MP38363

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	73.5
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.33	0.33	mg/kg	1	03/14/23 11:34	MM	SW846 9012B/LACHAT
Solids, Percent	73.5		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
Total Organic Carbon	13100	140	mg/kg	1	03/13/23 15:07	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT01-0.0-0.2-030723		
Lab Sample ID:	JD61598-3	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	3.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z162786.D	1	03/13/23 13:09	KH	03/11/23 11:30	OP45155	EZ8069
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.68	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	50%		10-109%
321-60-8	2-Fluorobiphenyl	49%		11-109%
1718-51-0	Terphenyl-d14	47%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-0.2-1.0-030723		
Lab Sample ID:	JD61598-4	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	72.0
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	72		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
Total Organic Carbon	33100	140	mg/kg	1	03/13/23 16:05	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT07-0.2-1.0-030723		
Lab Sample ID:	JD61598-7	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	82.0
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	82		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
Total Organic Carbon	9650	120	mg/kg	1	03/13/23 16:21	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-TT07-04-05-030723
Lab Sample ID: JD61598-8
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 79.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z162787.D	1	03/13/23 13:33	KH	03/11/23 11:30	OP45155	EZ8069
Run #2							

	Initial Weight	Final Volume
Run #1	32.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.039	0.026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	40%		10-109%
321-60-8	2-Fluorobiphenyl	41%		11-109%
1718-51-0	Terphenyl-d14	41%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8260D	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I249047.D	1	03/10/23 13:22	CL	n/a	n/a	VI10110
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	0.0349 J	0.012	0.0048	mg/kg	
71-43-2	Benzene	ND	0.00058	0.00053	mg/kg	
74-97-5	Bromochloromethane	ND	0.0058	0.00065	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	0.00050	mg/kg	
75-25-2	Bromoform	ND	0.0058	0.0016	mg/kg	
74-83-9	Bromomethane	ND	0.0058	0.00089	mg/kg	
78-93-3	2-Butanone (MEK)	ND UJ	0.012	0.0028	mg/kg	
75-15-0	Carbon disulfide	ND	0.0023	0.00062	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	0.00072	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	0.00053	mg/kg	
75-00-3	Chloroethane	ND	0.0058	0.00069	mg/kg	
67-66-3	Chloroform [b]	ND UJ	0.0023	0.00060	mg/kg	
74-87-3	Chloromethane	ND	0.0058	0.0023	mg/kg	
110-82-7	Cyclohexane	ND	0.0023	0.00076	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0023	0.00081	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0023	0.00065	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0012	0.00049	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0012	0.00064	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0012	0.00058	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0012	0.00057	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0058	0.00085	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0012	0.00058	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0012	0.00055	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0012	0.00076	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0012	0.00098	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0012	0.00071	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0023	0.00055	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	0.00055	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	0.00053	mg/kg	
100-41-4	Ethylbenzene	ND	0.0012	0.00053	mg/kg	
76-13-1	Freon 113	ND	0.0058	0.0031	mg/kg	
591-78-6	2-Hexanone [c]	ND	0.0058	0.0025	mg/kg	

ALH 6/29/23

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8260D	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0023	0.0017	mg/kg	
79-20-9	Methyl Acetate	0.0058	0.0058	0.0016	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0023	0.0010	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0012	0.00055	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0058	0.0026	mg/kg	
75-09-2	Methylene chloride	ND	0.0058	0.0030	mg/kg	
100-42-5	Styrene	ND	0.0023	0.00047	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0023	0.00070	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	0.00067	mg/kg	
108-88-3	Toluene	ND	0.0012	0.00061	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0058	0.0029	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0058	0.0029	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	0.00056	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	0.00064	mg/kg	
79-01-6	Trichloroethene	ND	0.0012	0.00089	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0058	0.00080	mg/kg	
75-01-4	Vinyl chloride	ND	0.0023	0.00056	mg/kg	
	m,p-Xylene	ND	0.0012	0.0010	mg/kg	
95-47-6	o-Xylene	ND	0.0012	0.00053	mg/kg	
1330-20-7	Xylene (total)	ND	0.0012	0.00053	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-124%
17060-07-0	1,2-Dichloroethane-D4	109%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	100%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits high.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-TT02-0.2-1.0-030723
Lab Sample ID: JD61598-9
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 79.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z162784.D	1	03/13/23 12:21	KH	03/11/23 11:30	OP45155	EZ8069
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.083	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.035	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.074	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND UJ	0.21	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND UJ	0.21	0.044	mg/kg	
95-48-7	2-Methylphenol	ND	0.083	0.026	mg/kg	
	3&4-Methylphenol	ND	0.083	0.034	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.027	mg/kg	
100-02-7	4-Nitrophenol	ND	0.41	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.039	mg/kg	
108-95-2	Phenol	ND	0.083	0.022	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.027	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.025	mg/kg	
83-32-9	Acenaphthene	0.0169	0.041	0.014	mg/kg	J
208-96-8	Acenaphthylene	ND	0.041	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0089	mg/kg	
120-12-7	Anthracene	0.0350	0.041	0.025	mg/kg	J
1912-24-9	Atrazine	ND	0.083	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	0.161	0.041	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.160	0.041	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.204	0.041	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0936	0.041	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0751	0.041	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.083	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.083	0.010	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.083	0.0057	mg/kg	
100-52-7	Benzaldehyde	0.0774	0.21	0.010	mg/kg	J
91-58-7	2-Chloronaphthalene	ND	0.083	0.0098	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.015	mg/kg	
86-74-8	Carbazole	0.0174	0.083	0.0060	mg/kg	J

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT02-0.2-1.0-030723
Lab Sample ID: JD61598-9
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 79.6

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.083	0.016	mg/kg	
218-01-9	Chrysene	0.149	0.041	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.083	0.0089	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.083	0.018	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.083	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.083	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.041	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.041	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.083	0.034	mg/kg	
123-91-1	1,4-Dioxane	ND	0.041	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0334	0.041	0.018	mg/kg	J
132-64-9	Dibenzofuran	ND	0.083	0.017	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.083	0.0067	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.083	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.083	0.0088	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.083	0.0074	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0524	0.083	0.0097	mg/kg	JB
206-44-0	Fluoranthene	0.259	0.041	0.018	mg/kg	
86-73-7	Fluorene	ND	0.041	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.083	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.041	0.017	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.41	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.109	0.041	0.019	mg/kg	
78-59-1	Isophorone	ND	0.083	0.0089	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.041	0.0093	mg/kg	
88-74-4	2-Nitroaniline	ND	0.21	0.0098	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.21	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.041	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.083	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.083	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.015	mg/kg	
85-01-8	Phenanthrene	0.129	0.041	0.014	mg/kg	
129-00-0	Pyrene	0.220	0.041	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.011	mg/kg	

0.083 0.0524 U

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	24%		10-99%

ALH 6/29/23

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	27%		10-96%
118-79-6	2,4,6-Tribromophenol	35%		10-123%
4165-60-0	Nitrobenzene-d5	27%		10-109%
321-60-8	2-Fluorobiphenyl	29%		11-109%
1718-51-0	Terphenyl-d14	31%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	10.62	.17	mg/kg	J
	unknown	11.68	.31	mg/kg	J
5155-70-4	1-Phenanthrenecarboxylic acid, 1,2,3,4,4	12.42	.31	mg/kg	JN
	unknown	15.49	.25	mg/kg	J
	-Sitosterol	16.80	.22	mg/kg	J
	alkane	17.04	.27	mg/kg	J
	Total TIC, Semi-Volatile		1.53	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4026.D	1	03/12/23 13:56	TL	03/11/23 11:45	OP45156	G9G217
Run #2 [a]	9G4134.D	1	03/16/23 13:48	MLC	03/11/23 11:45	OP45156	G9G223

	Initial Weight	Final Volume
Run #1	16.7 g	5.0 ml
Run #2	16.7 g	5.0 ml

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND R	0.019	0.010	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0038	0.0021	mg/kg	
93-76-5	2,4,5-T	ND	0.0038	0.0019	mg/kg	
75-99-0	Dalapon	ND	0.0038	0.0023	mg/kg	
1918-00-9	Dicamba	ND	0.0038	0.0020	mg/kg	
120-36-5	Dichloroprop	ND	0.019	0.010	mg/kg	
88-85-7	Dinoseb	ND	0.019	0.012	mg/kg	
94-74-6	MCPA	ND	1.9	1.0	mg/kg	
93-65-2	MCPP	ND	1.9	1.6	mg/kg	
87-86-5	Pentachlorophenol	0.0017 J	0.0019	0.00061	mg/kg	J
94-82-6	2,4-DB	ND R	0.019	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	4% [b]	5% [b]	10-138%
19719-28-9	2,4-DCAA	4% [b]	4% [b]	10-138%

(a) Confirmation run.
(b) Outside of in house control limits.

ALH 6/29/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89281.D	1	03/13/23 14:01	MLC	03/11/23 08:30	OP45152	G6G3231
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00079	0.00065	mg/kg	
319-84-6	alpha-BHC	ND UJ	0.00079	0.00064	mg/kg	
319-85-7	beta-BHC	ND	0.00079	0.00071	mg/kg	
319-86-8	delta-BHC	ND UJ	0.00079	0.00075	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00079	0.00058	mg/kg	
5103-71-9	alpha-Chlordane [a]	0.0073 J	0.00079	0.00063	mg/kg	
5103-74-2	gamma-Chlordane [a]	0.0057 J	0.00079	0.00036	mg/kg	
60-57-1	Dieldrin	0.0047	0.00079	0.00054	mg/kg	
72-54-8	4,4'-DDD	0.0012	0.00079	0.00072	mg/kg	
72-55-9	4,4'-DDE [a]	0.0018 J	0.00079	0.00069	mg/kg	
50-29-3	4,4'-DDT [a]	0.0034 U	0.00079	0.00070	mg/kg	B
72-20-8	Endrin	ND	0.00079	0.00061	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00079	0.00061	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00079	0.00045	mg/kg	
959-98-8	Endosulfan-I	ND	0.00079	0.00045	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00079	0.00049	mg/kg	
76-44-8	Heptachlor	ND	0.00079	0.00068	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00079	0.00055	mg/kg	
72-43-5	Methoxychlor	ND UJ	0.0016	0.00062	mg/kg	
53494-70-5	Endrin ketone	ND	0.00079	0.00057	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	59%		13-162%
877-09-8	Tetrachloro-m-xylene	61%		13-162%
2051-24-3	Decachlorobiphenyl	40%		10-180%
2051-24-3	Decachlorobiphenyl	81%		10-180%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ALH 6/29/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2498643.D	1	03/13/23 12:57	MLC	03/11/23 08:30	OP45153	GXX8112
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND UJ	0.039	0.018	mg/kg	
11104-28-2	Aroclor 1221	ND	0.039	0.024	mg/kg	
11141-16-5	Aroclor 1232	ND	0.039	0.025	mg/kg	
53469-21-9	Aroclor 1242	ND	0.039	0.016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.039	0.035	mg/kg	
11097-69-1	Aroclor 1254	ND	0.039	0.021	mg/kg	
11096-82-5	Aroclor 1260	ND	0.039	0.017	mg/kg	
11100-14-4	Aroclor 1268	ND	0.039	0.017	mg/kg	
37324-23-5	Aroclor 1262	0.0706	0.039	0.026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		10-174%
877-09-8	Tetrachloro-m-xylene	69%		10-174%
2051-24-3	Decachlorobiphenyl	59%		10-195%
2051-24-3	Decachlorobiphenyl	70%		10-195%

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT02-0.2-1.0-030723
Lab Sample ID: JD61598-9
Matrix: SO - Soil
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 79.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6100	61	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.4 UJ	2.4	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	4.2	2.4	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	76.1	24	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.37	0.24	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.61	0.61	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	28500	1200	mg/kg	2	03/11/23	03/15/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	9.1	1.2	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 6.1	6.1	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	13.3	3.0	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	12000	61	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	287 J+	2.4	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	10200	610	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	292 J-	1.8	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.082	0.038	mg/kg	1	03/10/23	03/12/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	8.8	4.9	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.4	2.4	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.61	0.61	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	15.2	6.1	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	93.8	6.1	mg/kg	1	03/11/23	03/13/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53849
(2) Instrument QC Batch: MA53854
(3) Instrument QC Batch: MA53864
(4) Prep QC Batch: MP38342
(5) Prep QC Batch: MP38363

ALH 6/29/23

RL = Reporting Limit

Report of Analysis

Client Sample ID: LR-TT02-0.2-1.0-030723
Lab Sample ID: JD61598-9
Matrix: SO - Soil
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 79.6

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.31	0.31	mg/kg	1	03/14/23 11:37	MM	SW846 9012B/LACHAT
Solids, Percent	79.6		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
Total Organic Carbon	11100	130	mg/kg	1	03/13/23 16:51	MB	LLOYD KAHN 1988 MOD
pH [a]	7.77		su	1	03/14/23 17:31	MM	SW846 9045D

(a) Temp of pH Reading: 13.3 Deg. C

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT02-0.0-0.2-030723		
Lab Sample ID:	JD61598-10	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	75.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z162788.D	1	03/13/23 13:57	KH	03/11/23 11:30	OP45155	EZ8069
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.043	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	41%		10-109%
321-60-8	2-Fluorobiphenyl	41%		11-109%
1718-51-0	Terphenyl-d14	41%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-TT03-0.0-0.2-030723
Lab Sample ID: JD61598-11
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 75.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z162789.D	1	03/13/23 14:21	KH	03/11/23 11:30	OP45155	EZ8069
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.042	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	47%		10-109%
321-60-8	2-Fluorobiphenyl	46%		11-109%
1718-51-0	Terphenyl-d14	46%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	83.5
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	83.5		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
Total Organic Carbon	5570	120	mg/kg	1	03/13/23 17:07	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD61598
SAMPLING DATE(S):	March 7, 2023
REPORT DATE:	June 5, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
DUP-030723	JD61598-2A	X
LR-TT01-0.0-0.2-030723	JD61598-3A	X
LR-TT01-0.2-1.0-030723	JD61598-4A	X
LR-TT07-0.2-1.0-030723	JD61598-7A	X
LR-TT07-04-05-030723	JD61598-8A	X
LR-TT02-0.2-1.0-030723	JD61598-9A	X
LR-TT02-0.2-1.0-030723MS	JD61598-9AMS	X
LR-TT02-0.2-1.0-030723MSD	JD61598-9AMSD	X
LR-TT02-0.0-0.2-030723	JD61598-10A	X
LR-TT03-0.0-0.2-030723	JD61598-11A	X
LR-TT01-0.2-1.0-030723	JD61598-12A	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD60906

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all PFAS samples as listed on the Chain-of-Custody (COC) with the following exceptions: listed on the intercompany COC are samples JD61598-04B, JD61598-06, JD61598-7B, JD61598-9B, and the results for these samples are not included in the data set.

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements. The samples were extracted and analyzed within the method hold times.

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

All Continuing Calibration Verification criteria were met. No data qualification was necessary.

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Method blank, OP96187MB was free from contamination. No data qualification was necessary based on method blank contamination.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued with the samples in this sample delivery group. No qualification was made.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no equipment blanks identified with this SDG. No evaluation was made.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analysis was performed on sample LR-TT02-0.2-1.0-030723/JD61598-9A. All MS/MSD

criteria were met. No data qualification was necessary.

VII.) Laboratory Control Samples (LCS):

LCS (blank spike) OP96187 reported the recovery for PFDoS < the 70% lower control limit. The following qualification was made based on this finding.

Client ID	Lab ID	Analyte	Qualifier
DUP-030723	JD61598-2A	PFDoS	UJ
LR-TT01-0.0-0.2-030723	JD61598-3A	PFDoS	UJ
LR-TT01-0.2-1.0-030723	JD61598-4A	PFDoS	UJ
LR-TT07-0.2-1.0-030723	JD61598-7A	PFDoS	UJ
LR-TT07-04-05-030723	JD61598-8A	PFDoS	UJ
LR-TT02-0.2-1.0-030723	JD61598-9A	PFDoS	UJ
LR-TT02-0.0-0.2-030723	JD61598-10A	PFDoS	UJ
LR-TT03-0.0-0.2-030723	JD61598-11A	PFDoS	UJ
LR-TT01-0.2-1.0-030723	JD61598-12A	PFDoS	UJ

VIII.) Field Duplicates:

There was a field duplicate samples identified with this SDG. There was no parent sample identified. No evaluation was made.

IX.) Extracted Internal Standards (EIS):

EIS D7-MeFOSAA reported a recovery < the lower control limit of 50% in sample LR-TT03-0.2-1.0-030723/JD61598-12A. MeFOSAA in this sample is non-detect. The quantitation limit is considered estimated and has been qualified “UJ”.

X.) Ion Transitions:

All ion transitions criteria were met, with the following exceptions:

Client ID	Lab ID	Analyte	Qualifier
DUP-030723	JD61598-2A	PFOA PFHxA PFHpA PFNA PFDA	J
LR-TT01-0.0-0.2-030723	JD61598-3A	PFOA PFHxA PFHpA PFNA PFDA PFUnA	J

Client ID	Lab ID	Analyte	Qualifier
LR-TT01-0.2-1.0-030723	JD61598-4A	PFOA PFHxA PFHpA PFNA PFDA PFUnA	J
LR-TT07-0.2-1.0-030723	JD61598-7A	PFOA	J
LR-TT07-04-05-030723	JD61598-8A	PFOA	J
LR-TT02-0.2-1.0-030723	JD61598-9A	PFOA PFHxA PFHpA PFNA PFDA	J
LR-TT02-0.0-0.2-030723	JD61598-10A	PFOA PFHpA PFNA PFDA	J
LR-TT03-0.0-0.2-030723	JD61598-11A	PFOA	J

XI.) Reporting limits (RLs):

All reporting limits were met. One sample result was greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. This qualifier was confirmed by the validator.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	Lab ID	Analyte	Qualifier
DUP-030723	JD61598-2A	PFDoS	UJ
LR-TT01-0.0-0.2-030723	JD61598-3A	PFDoS	UJ
LR-TT01-0.2-1.0-030723	JD61598-4A	PFDoS	UJ
LR-TT07-0.2-1.0-030723	JD61598-7A	PFDoS	UJ
LR-TT07-04-05-030723	JD61598-8A	PFDoS	UJ
LR-TT02-0.2-1.0-030723	JD61598-9A	PFDoS	UJ
LR-TT02-0.0-0.2-030723	JD61598-10A	PFDoS	UJ
LR-TT03-0.0-0.2-030723	JD61598-11A	PFDoS	UJ
LR-TT01-0.2-1.0-030723	JD61598-12A	PFDoS	UJ
LR-TT01-0.2-1.0-030723	JD61598-12A	MeFOSAA	UJ
DUP-030723	JD61598-2A	PFOA PFHxA PFHpA PFNA PFDA	J
LR-TT01-0.0-0.2-030723	JD61598-3A	PFOA PFHxA PFHpA PFNA PFDA PFUnA	J
LR-TT01-0.2-1.0-030723	JD61598-4A	PFOA PFHxA PFHpA PFNA PFDA PFUnA	J
LR-TT07-0.2-1.0-030723	JD61598-7A	PFOA	J
LR-TT07-04-05-030723	JD61598-8A	PFOA	J
LR-TT02-0.2-1.0-030723	JD61598-9A	PFOA PFHxA PFHpA PFNA PFDA	J
LR-TT02-0.0-0.2-030723	JD61598-10A	PFOA PFHpA PFNA PFDA	J

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16158.D	1	04/06/23 02:23	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.05 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00067	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00021	0.00054	0.00013	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00020	0.00027	0.00013	mg/kg	J J
375-85-9	Perfluoroheptanoic acid	0.00025	0.00027	0.00013	mg/kg	J J
335-67-1	Perfluorooctanoic acid	0.0012	0.00027	0.00013	mg/kg	J
375-95-1	Perfluorononanoic acid	0.00016	0.00027	0.00015	mg/kg	J J
335-76-2	Perfluorodecanoic acid	0.00019	0.00027	0.00013	mg/kg	J J
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00020	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0017	0.00027	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00054	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00081	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00027	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00027	0.00014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00027	0.00027	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0027	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00039	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00054	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00054	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00054	0.00033	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00059	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00054	mg/kg	
113507-82-7	PFEESA	ND	0.00054	0.00027	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00069	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0067	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0067	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	88%		20-150%
	13C5-PFPeA	89%		20-150%
	13C5-PFHxA	100%		20-150%
	13C4-PFHpA	92%		20-150%
	13C8-PFOA	88%		20-150%
	13C9-PFNA	85%		20-150%
	13C6-PFDA	88%		20-150%
	13C7-PFUnDA	91%		20-150%
	13C2-PFDoDA	83%		20-150%
	13C2-PFTeDA	76%		20-150%
	13C3-PFBS	84%		20-150%
	13C3-PFHxS	81%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-030723		
Lab Sample ID:	JD61598-2A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	73.5
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	103%		20-150%
	13C8-FOSA	90%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	74%		20-150%
	d3-MeFOSAA	108%		20-150%
	d5-EtFOSAA	101%		20-150%
	d7-MeFOSE	61%		20-150%
	d9-EtFOSE	57%		20-150%
	13C2-4:2FTS	102%		20-150%
	13C2-6:2FTS	95%		20-150%
	13C2-8:2FTS	78%		20-150%
	13C3-HFPO-DA	86%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT01-0.0-0.2-030723		
Lab Sample ID:	JD61598-3A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	3.2
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16159.D	1	04/06/23 02:37	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q	
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.0221	0.025	0.016	mg/kg	J	
2706-90-3	Perfluoropentanoic acid	0.0068	0.013	0.0031	mg/kg	J	
307-24-4	Perfluorohexanoic acid	0.0049	0.0063	0.0031	mg/kg	J	J
375-85-9	Perfluoroheptanoic acid	0.0066	0.0063	0.0031	mg/kg		J
335-67-1	Perfluorooctanoic acid	0.0550	0.0063	0.0031	mg/kg		J
375-95-1	Perfluorononanoic acid	0.0086	0.0063	0.0036	mg/kg		J
335-76-2	Perfluorodecanoic acid	0.0048	0.0063	0.0031	mg/kg	J	J
2058-94-8	Perfluoroundecanoic acid	0.0048	0.0063	0.0042	mg/kg	J	J
307-55-1	Perfluorododecanoic acid	ND	0.0063	0.0031	mg/kg		
72629-94-8	Perfluorotridecanoic acid	ND	0.0063	0.0032	mg/kg		
376-06-7	Perfluorotetradecanoic acid	ND	0.0063	0.0031	mg/kg		
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND	0.0063	0.0031	mg/kg		
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0063	0.0049	mg/kg		
355-46-4	Perfluorohexanesulfonic acid	ND	0.0063	0.0050	mg/kg		
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0063	0.0046	mg/kg		
1763-23-1	Perfluorooctanesulfonic acid	0.0461	0.0063	0.0031	mg/kg		
68259-12-1	Perfluorononanesulfonic acid	ND	0.0063	0.0057	mg/kg		
335-77-3	Perfluorodecanesulfonic acid	ND	0.0063	0.0045	mg/kg		
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0063	0.0047	mg/kg		UJ
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.025	0.013	mg/kg		
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.025	0.013	mg/kg		
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.025	0.019	mg/kg		
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND	0.0063	0.0031	mg/kg		
31506-32-8	MeFOSA	ND	0.0063	0.0043	mg/kg		
4151-50-2	EtFOSA	ND	0.0063	0.0032	mg/kg		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-TT01-0.0-0.2-030723		
Lab Sample ID:	JD61598-3A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	3.2
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0063	0.0050	mg/kg	
2991-50-6	EtFOSAA	ND	0.0063	0.0062	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.063	0.031	mg/kg	
1691-99-2	EtFOSE	ND	0.063	0.031	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.025	0.0091	mg/kg	
919005-14-4	ADONA	ND	0.025	0.011	mg/kg	
377-73-1	PFMPA	ND	0.013	0.0063	mg/kg	
863090-89-5	PFMBA	ND	0.013	0.0063	mg/kg	
151772-58-6	NFDHA	ND	0.013	0.0077	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.025	0.014	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.025	0.013	mg/kg	
113507-82-7	PFEESA	ND	0.013	0.0063	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.031	0.016	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.16	0.036	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.16	0.040	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	93%		20-150%
	13C5-PFPeA	91%		20-150%
	13C5-PFHxA	90%		20-150%
	13C4-PFHpA	88%		20-150%
	13C8-PFOA	90%		20-150%
	13C9-PFNA	90%		20-150%
	13C6-PFDA	90%		20-150%
	13C7-PFUnDA	93%		20-150%
	13C2-PFDoDA	87%		20-150%
	13C2-PFTeDA	81%		20-150%
	13C3-PFBS	79%		20-150%
	13C3-PFHxS	85%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT01-0.0-0.2-030723		
Lab Sample ID:	JD61598-3A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	3.2
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	89%		20-150%
	13C8-FOSA	90%		20-150%
	d3-MeFOSA	87%		20-150%
	d5-EtFOSA	77%		20-150%
	d3-MeFOSAA	103%		20-150%
	d5-EtFOSAA	106%		20-150%
	d7-MeFOSE	66%		20-150%
	d9-EtFOSE	59%		20-150%
	13C2-4:2FTS	102%		20-150%
	13C2-6:2FTS	100%		20-150%
	13C2-8:2FTS	79%		20-150%
	13C3-HFPO-DA	86%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT01-0.2-1.0-030723		
Lab Sample ID:	JD61598-4A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16160.D	1	04/06/23 02:51	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0013	0.0011	0.00070	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00034	0.00056	0.00014	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00026	0.00028	0.00014	mg/kg	J J
375-85-9	Perfluoroheptanoic acid	0.00026	0.00028	0.00014	mg/kg	J J
335-67-1	Perfluorooctanoic acid	0.0020	0.00028	0.00014	mg/kg	J
375-95-1	Perfluorononanoic acid	0.00024	0.00028	0.00016	mg/kg	J J
335-76-2	Perfluorodecanoic acid	0.00015	0.00028	0.00014	mg/kg	J J
2058-94-8	Perfluoroundecanoic acid	0.00020	0.00028	0.00019	mg/kg	J J
307-55-1	Perfluorododecanoic acid	ND	0.00028	0.00014	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00028	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00028	0.00014	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00028	0.00014	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00028	0.00022	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00028	0.00022	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00028	0.00020	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00098	0.00028	0.00014	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00028	0.00025	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00028	0.00020	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00028	0.00021	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00056	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00056	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00084	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00028	0.00014	mg/kg	
31506-32-8	MeFOSA	ND	0.00028	0.00019	mg/kg	
4151-50-2	EtFOSA	ND	0.00028	0.00014	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-TT01-0.2-1.0-030723		
Lab Sample ID:	JD61598-4A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	72.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00028	0.00022	mg/kg	
2991-50-6	EtFOSAA	ND	0.00028	0.00028	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0028	0.0014	mg/kg	
1691-99-2	EtFOSE	ND	0.0028	0.0014	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00040	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00047	mg/kg	
377-73-1	PFMPA	ND	0.00056	0.00028	mg/kg	
863090-89-5	PFMBA	ND	0.00056	0.00028	mg/kg	
151772-58-6	NFDHA	ND	0.00056	0.00034	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00061	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00056	mg/kg	
113507-82-7	PFEESA	ND	0.00056	0.00028	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0014	0.00071	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0070	0.0016	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0070	0.0018	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	84%		20-150%
	13C5-PFPeA	81%		20-150%
	13C5-PFHxA	86%		20-150%
	13C4-PFHpA	85%		20-150%
	13C8-PFOA	87%		20-150%
	13C9-PFNA	84%		20-150%
	13C6-PFDA	80%		20-150%
	13C7-PFUnDA	81%		20-150%
	13C2-PFDoDA	73%		20-150%
	13C2-PFTeDA	70%		20-150%
	13C3-PFBS	82%		20-150%
	13C3-PFHxS	80%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT01-0.2-1.0-030723
Lab Sample ID: JD61598-4A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 72.0

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	81%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	73%		20-150%
	d5-EtFOSA	66%		20-150%
	d3-MeFOSAA	88%		20-150%
	d5-EtFOSAA	89%		20-150%
	d7-MeFOSE	58%		20-150%
	d9-EtFOSE	55%		20-150%
	13C2-4:2FTS	94%		20-150%
	13C2-6:2FTS	93%		20-150%
	13C2-8:2FTS	82%		20-150%
	13C3-HFPO-DA	80%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT07-0.2-1.0-030723		
Lab Sample ID:	JD61598-7A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	82.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16161.D	1	04/06/23 03:05	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00098	0.00061	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00049	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00017	0.00024	0.00012	mg/kg	J J
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00075	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00098	0.00049	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00098	0.00049	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00098	0.00073	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-TT07-0.2-1.0-030723		
Lab Sample ID:	JD61598-7A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	82.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00024	0.00024	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00098	0.00035	mg/kg	
919005-14-4	ADONA	ND	0.00098	0.00041	mg/kg	
377-73-1	PFMPA	ND	0.00049	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00049	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00049	0.00030	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00098	0.00054	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00098	0.00049	mg/kg	
113507-82-7	PFEESA	ND	0.00049	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00062	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0061	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0061	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	81%		20-150%
	13C5-PFHxA	84%		20-150%
	13C4-PFHpA	80%		20-150%
	13C8-PFOA	78%		20-150%
	13C9-PFNA	82%		20-150%
	13C6-PFDA	88%		20-150%
	13C7-PFUnDA	85%		20-150%
	13C2-PFDoDA	76%		20-150%
	13C2-PFTeDA	70%		20-150%
	13C3-PFBS	79%		20-150%
	13C3-PFHxS	79%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT07-0.2-1.0-030723
Lab Sample ID: JD61598-7A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 82.0

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	76%		20-150%
	13C8-FOSA	78%		20-150%
	d3-MeFOSA	73%		20-150%
	d5-EtFOSA	69%		20-150%
	d3-MeFOSAA	94%		20-150%
	d5-EtFOSAA	94%		20-150%
	d7-MeFOSE	56%		20-150%
	d9-EtFOSE	55%		20-150%
	13C2-4:2FTS	97%		20-150%
	13C2-6:2FTS	85%		20-150%
	13C2-8:2FTS	86%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT07-04-05-030723		
Lab Sample ID:	JD61598-8A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16162.D	1	04/06/23 03:19	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	4.96 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00064	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00051	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00026	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00076	0.00026	0.00013	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00026	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00020	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00020	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0043	0.00026	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00023	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00018	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00019	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00077	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-TT07-04-05-030723		
Lab Sample ID:	JD61598-8A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00020	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00025	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00037	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00043	mg/kg	
377-73-1	PFMPA	ND	0.00051	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00051	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00051	0.00031	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00056	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00051	mg/kg	
113507-82-7	PFEESA	ND	0.00051	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00065	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0064	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0064	0.0016	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	96%		20-150%
	13C5-PFHxA	98%		20-150%
	13C4-PFHpA	96%		20-150%
	13C8-PFOA	84%		20-150%
	13C9-PFNA	85%		20-150%
	13C6-PFDA	81%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	76%		20-150%
	13C2-PFTeDA	70%		20-150%
	13C3-PFBS	81%		20-150%
	13C3-PFHxS	75%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT07-04-05-030723		
Lab Sample ID:	JD61598-8A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.0
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	82%		20-150%
	13C8-FOSA	75%		20-150%
	d3-MeFOSA	69%		20-150%
	d5-EtFOSA	60%		20-150%
	d3-MeFOSAA	81%		20-150%
	d5-EtFOSAA	86%		20-150%
	d7-MeFOSE	51%		20-150%
	d9-EtFOSE	50%		20-150%
	13C2-4:2FTS	88%		20-150%
	13C2-6:2FTS	95%		20-150%
	13C2-8:2FTS	91%		20-150%
	13C3-HFPO-DA	89%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16165.D	1	04/06/23 04:01	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	4.96 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00063	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00021	0.00051	0.00013	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00018	0.00025	0.00013	mg/kg	J J
375-85-9	Perfluoroheptanoic acid	0.00021	0.00025	0.00013	mg/kg	J J
335-67-1	Perfluorooctanoic acid	0.0010	0.00025	0.00013	mg/kg	J
375-95-1	Perfluorononanoic acid	0.00018	0.00025	0.00015	mg/kg	J J
335-76-2	Perfluorodecanoic acid	0.00015	0.00025	0.00013	mg/kg	J J
2058-94-8	Perfluoroundecanoic acid	ND	0.00025	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00025	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00025	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00025	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00025	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00025	0.00020	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00025	0.00020	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00025	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0024	0.00025	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00025	0.00023	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00025	0.00018	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00025	0.00019	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00051	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00076	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00025	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00025	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00025	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00025	0.00020	mg/kg	
2991-50-6	EtFOSAA	ND	0.00025	0.00025	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0025	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0025	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00037	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00043	mg/kg	
377-73-1	PFMPA	ND	0.00051	0.00025	mg/kg	
863090-89-5	PFMBA	ND	0.00051	0.00025	mg/kg	
151772-58-6	NFDHA	ND	0.00051	0.00031	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00056	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00051	mg/kg	
113507-82-7	PFEESA	ND	0.00051	0.00025	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00064	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0063	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0063	0.0016	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	81%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	85%		20-150%
	13C4-PFHpA	83%		20-150%
	13C8-PFOA	80%		20-150%
	13C9-PFNA	74%		20-150%
	13C6-PFDA	89%		20-150%
	13C7-PFUnDA	84%		20-150%
	13C2-PFDoDA	75%		20-150%
	13C2-PFTeDA	67%		20-150%
	13C3-PFBS	76%		20-150%
	13C3-PFHxS	78%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.2-1.0-030723		
Lab Sample ID:	JD61598-9A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	79.6
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	81%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	66%		20-150%
	d5-EtFOSA	52%		20-150%
	d3-MeFOSAA	98%		20-150%
	d5-EtFOSAA	92%		20-150%
	d7-MeFOSE	55%		20-150%
	d9-EtFOSE	55%		20-150%
	13C2-4:2FTS	84%		20-150%
	13C2-6:2FTS	82%		20-150%
	13C2-8:2FTS	65%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT02-0.0-0.2-030723		
Lab Sample ID:	JD61598-10A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16168.D	1	04/06/23 04:42	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.03 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00066	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00052	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00016	0.00026	0.00013	mg/kg	J J
335-67-1	Perfluorooctanoic acid	0.00078	0.00026	0.00013	mg/kg	J
375-95-1	Perfluorononanoic acid	0.00027	0.00026	0.00015	mg/kg	J
335-76-2	Perfluorodecanoic acid	0.00022	0.00026	0.00013	mg/kg	J J
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0020	0.00026	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00020	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00079	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-TT02-0.0-0.2-030723		
Lab Sample ID:	JD61598-10A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00044	mg/kg	
377-73-1	PFMPA	ND	0.00052	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00052	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00052	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00058	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00052	mg/kg	
113507-82-7	PFEESA	ND	0.00052	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00067	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0066	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0066	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	79%		20-150%
	13C5-PFPeA	81%		20-150%
	13C5-PFHxA	82%		20-150%
	13C4-PFHpA	81%		20-150%
	13C8-PFOA	75%		20-150%
	13C9-PFNA	76%		20-150%
	13C6-PFDA	76%		20-150%
	13C7-PFUnDA	85%		20-150%
	13C2-PFDoDA	79%		20-150%
	13C2-PFTeDA	74%		20-150%
	13C3-PFBS	75%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT02-0.0-0.2-030723		
Lab Sample ID:	JD61598-10A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	68%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	62%		20-150%
	d5-EtFOSA	58%		20-150%
	d3-MeFOSAA	72%		20-150%
	d5-EtFOSAA	81%		20-150%
	d7-MeFOSE	54%		20-150%
	d9-EtFOSE	51%		20-150%
	13C2-4:2FTS	86%		20-150%
	13C2-6:2FTS	86%		20-150%
	13C2-8:2FTS	67%		20-150%
	13C3-HFPO-DA	76%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT03-0.0-0.2-030723		
Lab Sample ID:	JD61598-11A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16171.D	1	04/06/23 05:24	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00066	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00053	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00026	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00014	0.00026	0.00013	mg/kg	J J
375-95-1	Perfluorononanoic acid	ND	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00026	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0013	0.00026	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00020	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00079	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-TT03-0.0-0.2-030723		
Lab Sample ID:	JD61598-11A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.9
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00044	mg/kg	
377-73-1	PFMPA	ND	0.00053	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00053	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00053	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00058	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00053	mg/kg	
113507-82-7	PFEESA	ND	0.00053	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00067	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0066	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0066	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		20-150%
	13C5-PFPeA	82%		20-150%
	13C5-PFHxA	83%		20-150%
	13C4-PFHpA	84%		20-150%
	13C8-PFOA	84%		20-150%
	13C9-PFNA	84%		20-150%
	13C6-PFDA	91%		20-150%
	13C7-PFUnDA	86%		20-150%
	13C2-PFDoDA	87%		20-150%
	13C2-PFTeDA	76%		20-150%
	13C3-PFBS	81%		20-150%
	13C3-PFHxS	84%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT03-0.0-0.2-030723
Lab Sample ID: JD61598-11A
Matrix: SO - Soil
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/07/23
Date Received: 03/09/23
Percent Solids: 75.9

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	82%		20-150%
	13C8-FOSA	87%		20-150%
	d3-MeFOSA	78%		20-150%
	d5-EtFOSA	76%		20-150%
	d3-MeFOSAA	97%		20-150%
	d5-EtFOSAA	108%		20-150%
	d7-MeFOSE	61%		20-150%
	d9-EtFOSE	57%		20-150%
	13C2-4:2FTS	90%		20-150%
	13C2-6:2FTS	93%		20-150%
	13C2-8:2FTS	82%		20-150%
	13C3-HFPO-DA	80%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	83.5
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16172.D	1	04/06/23 05:38	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00096	0.00060	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00048	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	ND	0.00024	0.00012	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00017	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00080	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00096	0.00048	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00096	0.00048	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00096	0.00072	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00016	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	83.5
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	UJ
2991-50-6	EtFOSAA	ND	0.00024	0.00024	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00096	0.00035	mg/kg	
919005-14-4	ADONA	ND	0.00096	0.00040	mg/kg	
377-73-1	PFMPA	ND	0.00048	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00048	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00048	0.00029	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00096	0.00053	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00096	0.00048	mg/kg	
113507-82-7	PFEESA	ND	0.00048	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00061	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0060	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0060	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	81%		20-150%
	13C5-PFPeA	76%		20-150%
	13C5-PFHxA	77%		20-150%
	13C4-PFHpA	76%		20-150%
	13C8-PFOA	81%		20-150%
	13C9-PFNA	76%		20-150%
	13C6-PFDA	89%		20-150%
	13C7-PFUnDA	83%		20-150%
	13C2-PFDoDA	76%		20-150%
	13C2-PFTeDA	69%		20-150%
	13C3-PFBS	74%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-TT03-0.2-1.0-030723		
Lab Sample ID:	JD61598-12A	**Date Sampled:**	03/07/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	83.5
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	78%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	66%		20-150%
	d5-EtFOSA	57%		20-150%
	d3-MeFOSAA	81%		20-150%
	d5-EtFOSAA	80%		20-150%
	d7-MeFOSE	49%		20-150%
	d9-EtFOSE	51%		20-150%
	13C2-4:2FTS	88%		20-150%
	13C2-6:2FTS	90%		20-150%
	13C2-8:2FTS	76%		20-150%
	13C3-HFPO-DA	74%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ramboll
SITE NAME:	Lyndon Rd. Landfill
CONTRACTED LAB:	SGS Dayton, NJ
QA/QC LEVEL:	DUSR
EPA SOW/METHODS:	SW-846 Methods
VALIDATION GUIDELINES:	*USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS_SOP_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1)*; Professional Judgment
SAMPLE MATRIX:	Soil
TYPE OF ANALYSIS:	1,4-dioxane, Total Organic Carbon (TOC)
SDG NUMBER:	JD61586
SAMPLING DATES:	March 8, 2023

SAMPLES:

Client Sample #	Lab Sample #	1,4-dioxane	TOC
LR-TT06-04-05-030823	JD61586-4	X	
LR-TT06-0.2-1.0-030823	JD61586-5		X
LR-TT04-0.2-1.0-030823	JD61586-7		X
LR-TT04-02-03-030823	JD61586-8	X	

Suffix Codes: DL = DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Amy L. Hogan, Sandra Nacquin

DATA VALIDATION SUMMARY

SGS Dayton, New Jersey – JD61586 - Organics

SEMIVOLATILE ORGANIC COMPOUNDS (SVOC)

SUMMARY

I.) General:

The analyses for 1,4-dioxane as a Semivolatile Organic Compound (SVOC) were performed per SW-846 Method 8270E.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/13/23 at 08:59 on instrument GCMSM was -45.0% for 1,4-dioxane, which exceeded the 20% QC limit. The non-detect results for both samples were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

There was no detection reported for the associated method blank. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS/ MSD analyses data were submitted for this fraction of the SDG. All criteria were met. Data qualification based on batch QC results was not required. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL ORGANIC CARBON (TOC)

SUMMARY

I.) General:

The analyses for Total Organic Carbon (TOC) were performed per Lloyd Kahn 1988 Modified.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

Batch MS / MD analyses data were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

Appendix A
Qualified Form Is

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M187724.D	2	03/13/23 14:26	KH	03/11/23 10:15	OP45154	EM8114
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND UJ	0.081	0.053	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		10-109%
321-60-8	2-Fluorobiphenyl	78%		11-109%
1718-51-0	Terphenyl-d14	82%		10-120%

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-TT06-0.2-1.0-030823
Lab Sample ID: JD61586-5
Matrix: SO - Soil
Project: Lyndon Road Landfill

Date Sampled: 03/08/23
Date Received: 03/09/23
Percent Solids: 81.8

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	81.8		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
Total Organic Carbon	48500	120	mg/kg	1	03/14/23 11:49	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
		Percent Solids:	75.7
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	75.7		%	1	03/10/23 16:30	MK	SM2540 G 18TH ED MOD
Total Organic Carbon	24200	130	mg/kg	1	03/13/23 14:52	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M187727.D	5	03/13/23 15:31	KH	03/11/23 10:15	OP45154	EM8114
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND UJ	0.19	0.13	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	52%		10-109%
321-60-8	2-Fluorobiphenyl	51%		11-109%
1718-51-0	Terphenyl-d14	55%		10-120%

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Soil and Water
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD61586
SAMPLING DATE(S):	March 7, 2023, March 8, 2023
REPORT DATE:	June 4, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
LR-EB-01-030723	JD61586-1	X
LR-EB-01-030823	JD61586-2	X
LR-EB-02-030823	JD61586-3	X
LR-TT06-04-05-030823	JD61586-4A	X
LR-TT06-0.2-1.0-030823	JD61586-5A	X
LR-TT06-0.2-1.0-030823MS	JD61586-5AMS	X
LR-TT06-0.2-1.0-030823MSD	JD61586-5AMSD	X
LR-TT04-0.2-1.0-030823	JD61586-7A	X
LR-TT04-02-03-030823	JD61586-8A	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD61586

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all samples and method types listed on the COC, with the following exception: intercompany COC from the Dayton lab to the Orlando lab listed analyses for samples JD61586-5B/LRTT06-0.2-1.0-030823, JD61586-6A/LR-TT04-DRUM-030823, and JD1586-7A/LR-TT04-0.2-1.0-030823. These analyses were not reported in this data set.

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements.

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

All Continuing Calibration Verification criteria were met. No data qualification was necessary.

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Method blanks, OP95963-MB and OP95969-MB were free from contamination. No qualification was made based on this finding.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued for this SDG.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Equipment blanks, LR-EB-01-030723/JD61586-1, LR-EB-01-030823/JD61586 and LR-EB-02-030823/JD61586-03 were free of contamination. No data were qualified based on equipment blank contamination.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed on samples from another SDG. No qualification was made based on

this finding.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met for the water samples. The LCS associated with the soil samples reported PFDoS, below the lower control limit of 70%. The following qualifications were made.

Client ID	Lab ID	Analyte	Qualification
LR-TT06-04-05-030823	JD61586-4A	PFDoS	UJ
LR-TT06-0.2-1.0-030823	JD61586-5A		
LR-TT04-0.2-1.0-030823	JD61586-7A		
LR-TT04-02-03-030823	JD61586-8A		

VIII.) Field Duplicates:

There were no field duplicate samples identified in this SDG.

IX.) Extracted Internal Standards (EIS):

All EIS recoveries were within limits. No qualification was made based on EIS recoveries.

X.) Ion Transitions:

The following ratios of quantifier ion response to qualifier ion response were outside the laboratory criteria:

Client ID	LAB ID	Analyte	Qualifier
LR-TT06-04-05-030823	JD61586-4A	PFOA	J
LR-TT06-0.2-1.0-030823	JD61586-5A	PFOA	J
LR-TT04-0.2-1.0-030823	JD61586-7A	PFOA PFHxA PFHpA PFNA	J
LR-TT04-02-03-030823	JD61586-8A	PFOA	J

XI.) Reporting limits (RLs):

All reporting limit criteria were met. Several sample results were greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. These qualifiers were confirmed by the validator.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	LAB ID	Analyte	Qualifier
LR-TT06-04-05-030823	JD61586-4A	PFDoS	UJ
LR-TT06-0.2-1.0-030823	JD61586-5A		
LR-TT04-0.2-1.0-030823	JD61586-7A		
LR-TT04-02-03-030823	JD61586-8A		
LR-TT06-04-05-030823	JD61586-4A	PFOA	J
LR-TT06-0.2-1.0-030823	JD61586-5A	PFOA	J
LR-TT04-0.2-1.0-030823	JD61586-7A	PFOA PFHxA PFHpA PFNA	J
LR-TT04-02-03-030823	JD61586-8A	PFOA	J

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-EB-01-030723		
Lab Sample ID:	JD61586-1	**Date Sampled:**	03/07/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15213.D	1	03/22/23 22:42	AFL	03/20/23 09:00	F:OP95969	F:S6Q230
Run #2							

	Initial Volume	Final Volume
Run #1	570 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0070	0.0035	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0035	0.00088	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00044	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00044	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00088	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00098	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00088	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0070	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-01-030723		
Lab Sample ID:	JD61586-1	**Date Sampled:**	03/07/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0070	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0070	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0070	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0070	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	108%		20-150%
	13C5-PFPeA	106%		20-150%
	13C5-PFHxA	106%		20-150%
	13C4-PFHpA	110%		20-150%
	13C8-PFOA	101%		20-150%
	13C9-PFNA	107%		20-150%
	13C6-PFDA	96%		20-150%
	13C7-PFUnDA	99%		20-150%
	13C2-PFDoDA	93%		20-150%
	13C2-PFTeDA	74%		20-150%
	13C3-PFBS	101%		20-150%
	13C3-PFHxS	101%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-01-030723		
Lab Sample ID:	JD61586-1	**Date Sampled:**	03/07/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	96%		20-150%
	13C8-FOSA	93%		20-150%
	d3-MeFOSA	70%		20-150%
	d5-EtFOSA	76%		20-150%
	d3-MeFOSAA	102%		20-150%
	d5-EtFOSAA	91%		20-150%
	d7-MeFOSE	81%		20-150%
	d9-EtFOSE	78%		20-150%
	13C2-4:2FTS	120%		20-150%
	13C2-6:2FTS	117%		20-150%
	13C2-8:2FTS	111%		20-150%
	13C3-HFPO-DA	106%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-EB-01-030823		
Lab Sample ID:	JD61586-2	**Date Sampled:**	03/08/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15214.D	1	03/22/23 22:56	AFL	03/20/23 09:00	F:OP95969	F:S6Q230
Run #2							

	Initial Volume	Final Volume
Run #1	570 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0070	0.0035	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0035	0.00088	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00044	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00044	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00088	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00098	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00088	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0070	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-01-030823		
Lab Sample ID:	JD61586-2	**Date Sampled:**	03/08/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0070	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0070	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0070	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0070	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	103%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	103%		20-150%
	13C4-PFHpA	104%		20-150%
	13C8-PFOA	109%		20-150%
	13C9-PFNA	102%		20-150%
	13C6-PFDA	97%		20-150%
	13C7-PFUnDA	100%		20-150%
	13C2-PFDoDA	98%		20-150%
	13C2-PFTeDA	95%		20-150%
	13C3-PFBS	100%		20-150%
	13C3-PFHxS	100%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-EB-01-030823
Lab Sample ID: JD61586-2
Matrix: AQ - Equipment Blank
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/08/23
Date Received: 03/09/23
Percent Solids: n/a

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	105%		20-150%
	13C8-FOSA	103%		20-150%
	d3-MeFOSA	86%		20-150%
	d5-EtFOSA	94%		20-150%
	d3-MeFOSAA	108%		20-150%
	d5-EtFOSAA	105%		20-150%
	d7-MeFOSE	105%		20-150%
	d9-EtFOSE	103%		20-150%
	13C2-4:2FTS	126%		20-150%
	13C2-6:2FTS	134%		20-150%
	13C2-8:2FTS	105%		20-150%
	13C3-HFPO-DA	102%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-EB-02-030823		
Lab Sample ID:	JD61586-3	**Date Sampled:**	03/08/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15215.D	1	03/22/23 23:10	AFL	03/20/23 09:00	F:OP95969	F:S6Q230
Run #2							

	Initial Volume	Final Volume
Run #1	570 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0070	0.0035	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0035	0.00088	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00044	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00044	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00088	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00098	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00088	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0070	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0070	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-02-030823		
Lab Sample ID:	JD61586-3	**Date Sampled:**	03/08/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0070	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0070	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0070	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0070	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	107%		20-150%
	13C5-PFPeA	101%		20-150%
	13C5-PFHxA	100%		20-150%
	13C4-PFHpA	101%		20-150%
	13C8-PFOA	104%		20-150%
	13C9-PFNA	95%		20-150%
	13C6-PFDA	87%		20-150%
	13C7-PFUnDA	91%		20-150%
	13C2-PFDoDA	86%		20-150%
	13C2-PFTeDA	55%		20-150%
	13C3-PFBS	99%		20-150%
	13C3-PFHxS	96%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-EB-02-030823
Lab Sample ID: JD61586-3
Matrix: AQ - Equipment Blank
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/08/23
Date Received: 03/09/23
Percent Solids: n/a

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	86%		20-150%
	13C8-FOSA	87%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	85%		20-150%
	d3-MeFOSAA	87%		20-150%
	d5-EtFOSAA	93%		20-150%
	d7-MeFOSE	91%		20-150%
	d9-EtFOSE	87%		20-150%
	13C2-4:2FTS	118%		20-150%
	13C2-6:2FTS	116%		20-150%
	13C2-8:2FTS	96%		20-150%
	13C3-HFPO-DA	105%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15251.D	1	03/23/23 07:33	AFL	03/20/23 10:45	F:OP95963	F:S6Q230
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00099	0.00062	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00049	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00025	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00025	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00020	0.00025	0.00012	mg/kg	J J
375-95-1	Perfluorononanoic acid	ND	0.00025	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00025	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00025	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00025	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00025	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00025	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00025	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00025	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00025	0.00020	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00025	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0014	0.00025	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00025	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00025	0.00018	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00025	0.00018	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00099	0.00049	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00099	0.00049	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00099	0.00074	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00025	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00025	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00025	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/4/23

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00025	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00025	0.00024	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0025	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0025	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00099	0.00036	mg/kg	
919005-14-4	ADONA	ND	0.00099	0.00041	mg/kg	
377-73-1	PFMPA	ND	0.00049	0.00025	mg/kg	
863090-89-5	PFMBA	ND	0.00049	0.00025	mg/kg	
151772-58-6	NFDHA	ND	0.00049	0.00030	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00099	0.00054	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00099	0.00049	mg/kg	
113507-82-7	PFEESA	ND	0.00049	0.00025	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00063	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0062	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0062	0.0016	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	85%		20-150%
	13C5-PFPeA	86%		20-150%
	13C5-PFHxA	87%		20-150%
	13C4-PFHpA	88%		20-150%
	13C8-PFOA	85%		20-150%
	13C9-PFNA	81%		20-150%
	13C6-PFDA	86%		20-150%
	13C7-PFUnDA	92%		20-150%
	13C2-PFDoDA	85%		20-150%
	13C2-PFTeDA	79%		20-150%
	13C3-PFBS	82%		20-150%
	13C3-PFHxS	83%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-04-05-030823		
Lab Sample ID:	JD61586-4A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	80.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	80%		20-150%
	13C8-FOSA	87%		20-150%
	d3-MeFOSA	78%		20-150%
	d5-EtFOSA	74%		20-150%
	d3-MeFOSAA	88%		20-150%
	d5-EtFOSAA	90%		20-150%
	d7-MeFOSE	71%		20-150%
	d9-EtFOSE	69%		20-150%
	13C2-4:2FTS	96%		20-150%
	13C2-6:2FTS	96%		20-150%
	13C2-8:2FTS	92%		20-150%
	13C3-HFPO-DA	87%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15252.D	1	03/23/23 07:47	AFL	03/20/23 10:45	F:OP95963	F:S6Q230
Run #2							

	Initial Weight	Final Volume
Run #1	5.01 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00098	0.00061	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00049	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00019	0.00024	0.00012	mg/kg	J J
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00018	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00052	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00098	0.00049	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00098	0.00049	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00098	0.00073	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00017	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/4/23

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00024	0.00024	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00098	0.00035	mg/kg	
919005-14-4	ADONA	ND	0.00098	0.00041	mg/kg	
377-73-1	PFMPA	ND	0.00049	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00049	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00049	0.00030	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00098	0.00054	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00098	0.00049	mg/kg	
113507-82-7	PFEESA	ND	0.00049	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00062	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0061	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0061	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	87%		20-150%
	13C5-PFPeA	87%		20-150%
	13C5-PFHxA	89%		20-150%
	13C4-PFHpA	92%		20-150%
	13C8-PFOA	87%		20-150%
	13C9-PFNA	89%		20-150%
	13C6-PFDA	83%		20-150%
	13C7-PFUnDA	89%		20-150%
	13C2-PFDoDA	83%		20-150%
	13C2-PFTeDA	78%		20-150%
	13C3-PFBS	87%		20-150%
	13C3-PFHxS	90%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT06-0.2-1.0-030823		
Lab Sample ID:	JD61586-5A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	81.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	88%		20-150%
	13C8-FOSA	88%		20-150%
	d3-MeFOSA	75%		20-150%
	d5-EtFOSA	73%		20-150%
	d3-MeFOSAA	93%		20-150%
	d5-EtFOSAA	98%		20-150%
	d7-MeFOSE	75%		20-150%
	d9-EtFOSE	70%		20-150%
	13C2-4:2FTS	101%		20-150%
	13C2-6:2FTS	103%		20-150%
	13C2-8:2FTS	93%		20-150%
	13C3-HFPO-DA	86%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15255.D	1	03/23/23 08:29	AFL	03/20/23 10:45	F:OP95963	F:S6Q230
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.00067	0.0011	0.00066	mg/kg	J
2706-90-3	Perfluoropentanoic acid	0.00014	0.00053	0.00013	mg/kg	J
307-24-4	Perfluorohexanoic acid	0.00014	0.00027	0.00013	mg/kg	J J
375-85-9	Perfluoroheptanoic acid	0.00013	0.00027	0.00013	mg/kg	J J
335-67-1	Perfluorooctanoic acid	0.00073	0.00027	0.00013	mg/kg	J
375-95-1	Perfluorononanoic acid	0.00025	0.00027	0.00015	mg/kg	J J
335-76-2	Perfluorodecanoic acid	ND	0.00027	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00027	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00027	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00027	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00027	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00027	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00027	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00027	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00027	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0028	0.00027	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00027	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00027	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00027	0.00020	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00080	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00027	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00027	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00027	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/4/23

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00027	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00027	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0027	0.0013	mg/kg	
1691-99-2	EtFOSE	ND	0.0027	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00053	0.00027	mg/kg	
863090-89-5	PFMBA	ND	0.00053	0.00027	mg/kg	
151772-58-6	NFDHA	ND	0.00053	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00058	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00053	mg/kg	
113507-82-7	PFEESA	ND	0.00053	0.00027	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00068	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0066	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0066	0.0017	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	80%		20-150%
	13C5-PFHxA	81%		20-150%
	13C4-PFHpA	79%		20-150%
	13C8-PFOA	81%		20-150%
	13C9-PFNA	80%		20-150%
	13C6-PFDA	85%		20-150%
	13C7-PFUnDA	83%		20-150%
	13C2-PFDoDA	85%		20-150%
	13C2-PFTeDA	80%		20-150%
	13C3-PFBS	76%		20-150%
	13C3-PFHxS	79%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-0.2-1.0-030823		
Lab Sample ID:	JD61586-7A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	75.7
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	88%		20-150%
	13C8-FOSA	91%		20-150%
	d3-MeFOSA	79%		20-150%
	d5-EtFOSA	77%		20-150%
	d3-MeFOSAA	69%		20-150%
	d5-EtFOSAA	79%		20-150%
	d7-MeFOSE	73%		20-150%
	d9-EtFOSE	70%		20-150%
	13C2-4:2FTS	96%		20-150%
	13C2-6:2FTS	89%		20-150%
	13C2-8:2FTS	85%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	84.6
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q15256.D	1	03/23/23 08:43	AFL	03/20/23 10:45	F:OP95963	F:S6Q230
Run #2							

	Initial Weight	Final Volume
Run #1	4.96 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.00095	0.00060	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00048	0.00012	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00024	0.00012	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00024	0.00012	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00037	0.00024	0.00012	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00024	0.00014	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00024	0.00012	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00024	0.00016	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00024	0.00012	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00024	0.00012	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00024	0.00012	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00024	0.00012	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00024	0.00019	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00024	0.00019	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00024	0.00017	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0030	0.00024	0.00012	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00024	0.00022	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00024	0.00017	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00024	0.00018	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.00095	0.00048	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.00095	0.00048	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.00095	0.00071	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00024	0.00012	mg/kg	
31506-32-8	MeFOSA	ND	0.00024	0.00016	mg/kg	
4151-50-2	EtFOSA	ND	0.00024	0.00012	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/4/23

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	84.6
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00024	0.00019	mg/kg	
2991-50-6	EtFOSAA	ND	0.00024	0.00023	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0024	0.0012	mg/kg	
1691-99-2	EtFOSE	ND	0.0024	0.0012	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.00095	0.00034	mg/kg	
919005-14-4	ADONA	ND	0.00095	0.00040	mg/kg	
377-73-1	PFMPA	ND	0.00048	0.00024	mg/kg	
863090-89-5	PFMBA	ND	0.00048	0.00024	mg/kg	
151772-58-6	NFDHA	ND	0.00048	0.00029	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.00095	0.00052	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.00095	0.00048	mg/kg	
113507-82-7	PFEESA	ND	0.00048	0.00024	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0012	0.00061	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0060	0.0014	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.0060	0.0015	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	83%		20-150%
	13C5-PFHxA	82%		20-150%
	13C4-PFHpA	81%		20-150%
	13C8-PFOA	79%		20-150%
	13C9-PFNA	82%		20-150%
	13C6-PFDA	79%		20-150%
	13C7-PFUnDA	80%		20-150%
	13C2-PFDoDA	79%		20-150%
	13C2-PFTeDA	77%		20-150%
	13C3-PFBS	81%		20-150%
	13C3-PFHxS	83%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TT04-02-03-030823		
Lab Sample ID:	JD61586-8A	**Date Sampled:**	03/08/23
Matrix:	SO - Soil	**Date Received:**	03/09/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	84.6
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	95%		20-150%
	13C8-FOSA	90%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	71%		20-150%
	d3-MeFOSAA	100%		20-150%
	d5-EtFOSAA	97%		20-150%
	d7-MeFOSE	75%		20-150%
	d9-EtFOSE	74%		20-150%
	13C2-4:2FTS	94%		20-150%
	13C2-6:2FTS	92%		20-150%
	13C2-8:2FTS	74%		20-150%
	13C3-HFPO-DA	81%		20-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ramboll
SITE NAME:	Lyndon Rd. Landfill
CONTRACTED LAB:	SGS Dayton, NJ
QA/QC LEVEL:	DUSR
EPA SOW/METHODS:	SW-846 Methods
VALIDATION GUIDELINES:	*USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS_SOP_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1)*; Professional Judgment
SAMPLE MATRIX:	Water
TYPE OF ANALYSIS:	Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), 1,4-dioxane, Herbicides, Pesticides, Polychlorinated Biphenyls (PCB), Metals, Mercury, Cyanide,
SDG NUMBER:	JD62640
SAMPLING DATES:	March 21, 2023

SAMPLES:

Client Sample #	Lab Sample #	VOC	SVOC
LR-TB-032123	JD62640-1	X	
DUP-032123	JD62640-3	X	X
LR-MW05-032123	JD62640-4	X	X
LR-MW08-032123	JD62640-5	X	X

Client Sample #	Lab Sample #	1,4-Dioxane	HERB
DUP-032123	JD62640-3	X	X
LR-MW05-032123	JD62640-4	X	X
LR-MW08-032123	JD62640-5	X	X
LR-MW03-032123	JD62640-6	X	

Client Sample #	Lab Sample #	PEST	PCB
DUP-032123	JD62640-3	X	X
LR-MW05-032123	JD62640-4	X	X
LR-MW08-032123	JD62640-5	X	X

Client Sample #	Lab Sample #	Met/Hg	CN
DUP-032123	JD62640-3	X	X
DUP-032123DL	JD62640-3MS	X	
LR-MW05-032123	JD62640-4	X	X
LR-MW05-032123DL	JD62640-4DL	X	
LR-MW08-032123	JD62640-5	X	X

Suffix Codes: DL = DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Amy L. Hogan, Sandra Nacquin

DATA VALIDATION SUMMARY

SGS Dayton, New Jersey – JD62640 - Organics

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per SW846 Method 8260D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/29/23 at 21:23 on instrument GCMS2D was 20.6% for bromomethane, which exceeded the 20% QC limit. The results for this compound in the SDG samples were qualified as estimated (J) and (UJ).

It was noted by the validator that the lab did not analyze a closing calibration standard. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Trip Blank:

There were no detections reported in the associated trip blank for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. The Percent Recovery (%R) of 196% for acetone exceeded the QC limits. The positive acetone results for the samples were qualified as estimated (J).

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analysis data was submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

X.) Field Duplicates:

One set of field duplicate samples (LW-MW05-032123 / DUP-032123) was identified as part of this SDG. There were no calculable RPD or differences. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOC)

SUMMARY

I.) General:

The analyses for Semivolatile Organics and for 1,4-dioxane as a Semivolatile Organic Compound (SVOC) were performed per SW-846 Method 8270E.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/29/23 at 09:00 On instrument GCMSF exceeded the 20% QC limit for the following compounds:

2-nitrophenol	-43.1%
Hexachlorobutadiene	-20.8%
4-chloro-3-methylphenol	-21.2%
2-nitroaniline	-27.0%
2,6-dinitrotoluene	-23.3%
2,4-dinitrophenol	-51.3%
2,4-dinitrotoluene	-23.8%
2,3,4,6-tetrachlorophenol	-26.1%
4-nitroaniline	-25.3%
4,6-dinitro-2-methylphenol	-45.5%
2,4,6-tribromophenol	-32.6%
3,3-dichlorobenzidine	-20.0%
Benzo(a)pyrene	-22.7%
Dibenzo(a,h) anthracene	-29.6%
Benzo(g,h,i) perylene	-20.1%
Atrazine	-34.2%

The positive and non-detect results for these compounds in the SDG samples were qualified as estimated (J) and (UJ).

IV.) Blanks:

Method Blanks:

There were no detections reported in the associated method blank. No data qualification was necessary.

V.) Surrogate Recoveries:

The Percent Recovery (%R) of 31% for 2-fluorobiphenyl for sample DUP-032123 was below the QC limits. Since only one %R was below the QC limits for the sample, no data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS (1,4-dioxane) and one LCS / LCSD set (full SVOC) was analyzed by the laboratory for this fraction of the SDG. All criteria were met for the 1,4-dioxane LCS. The Percent Recoveries (%Rs) for the LCS of the full set were below the QC limits for the following compounds:

2,4,5-trichlorophenol	34%
2,4,6-trichlorophenol	33%
Acenaphthene	30%
Acetophenone	29%
Anthracene	32%
Atrazine	41%
Benzaldehyde	30%
Benzo(a) anthracene	35%
Benzo(a) pyrene	36%
Benzo(b)fluoranthene	34%
Benzo(g,h,i) perylene	37%
Benzo(k) fluoranthene	32%
4-bromophenyl phenyl ether	36%
Butyl benzyl phthalate	33%
1,1-biphenyl	29%
2-chloronaphthalene	29%
Carbazole	33%
Chrysene	33%
Bis(2-chloroethoxy) methane	30%
Bis(2-chloroethyl) ether	28%
2,2-oxybis (1-chloropropane)	29%
4-chlorophenyl phenyl ether	34%
2,4-dinitrotolene	42%
2,6-dinitrotoluene	41%
Dibenzo(a,h) anthracene	40%
dibenzofuran	31%
di-n-butyl phthalate	33%
di-n-octyl phthalate	33%
diethyl phthalate	33%
dimethyl phthalate	31%
bis(2-ethylhexyl) phthalate	34%
fluoranthene	34%
fluorene	32%
hexachlorobenzene	33%
indeno(1,2,3-cd) pyrene	41%
isophorone	31%
2-methylnaphthalene	30%

2-nitroaniline	36%
4-nitroaniline	35%
Naphthalene	28%
Nitrobenzene	32%
n-nitroso-di-n-propylamine	30%
n-nitrosodiphenylamine	32%
phenanthrene	30%
pyrene	29%
1,2,4,5-tetrachlorobenzene	29%

All positive and non-detect results for the compounds in the SDG samples were qualified as estimated (J) and (UJ). A total of 64 Relative Percent Differences (RPDs) were all outside the QC limits. Data qualification based on LCS / LCSD RPD criteria was not required.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS/ MSD analyses data were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (LR-MW05-032123 / DUP-032123) was identified for this SDG. The calculable difference for 1,4-dioxane was greater than the RL. Data qualification based on field duplicate results was not required. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

HERBICIDES

SUMMARY

I.) General:

The analyses for Herbicides were performed per SW846 Method 8151A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/30/23 at 21:06 on instrument GC9G was 39.6% for MCPP, which exceeded the 20% QC limit. The non-detect results for this compound in associated samples DUP-032123 and LR-MW05-032123 were qualified as estimated (UJ).

The Percent Differences (%Ds) the for the standards run on 3/31/23 at 01:18 on instrument GC9G exceeded the 20% QC limit for the following compounds:

MCPP	-29.5%/-67.9%
MCPA	-20.4%/-691.2%
2,4-D	25.9%
2,4-DB	26.0%
Dinoseb	-23.7%

The results for these compounds in the SDG samples, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/31/23 at 05:17 on instrument GC9G exceeded the 20% QC limit for the following compounds:

MCPP	-51.1%
MPCA	-43.1%
2,4-DB	23.6%

The results for these compounds in associated sample LR-MW08-032123, which were all non-detect, were qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections reported in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. A total of 6 Percent Recoveries (%Rs) and one Relative Percent Difference (RPD) were outside the QC limits. Data qualification based on batch MS / MSD data was not required. No data qualification was necessary.

VII.) Field Duplicates:

One set of field duplicate samples (LR-MW05-032123 / DUP-032123) was identified as part of this SDG. The only calculable Relative Percent Difference (RPD) was 14% for 2,4,5-T, which was within the advisory 50% QC limit. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

PESTICIDES

SUMMARY

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/28/23 at 19:29 on instrument GC1G exceeded the 20% QC limit for the following compounds:

Delta BHC	-22.9%
Endrin ketone	-27.3%

The non-detect results for these compounds in the SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 01:59 on instrument GC1G exceeded the 20% QC limit for the following compounds:

Endosulfan I	-22.2%
4,4'-DDE	35.6%
Methoxychlor	30.3%
Endrin aldehyde	-20.5%
Endrin ketone	-29.5%

The non-detect results for these compounds in the SDG samples were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

There were no detections reported in the associated method blank. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (LR-MW05-032123 / DUP-032123) was identified as part of this SDG. There were no calculable results. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

POLYCHLORINATED BIPHENYLS (PCB)

SUMMARY

I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/29/23 at 01:46 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-37.2%
Aroclor 1260 (C)	-21.5%
Aroclor 1260 (D)	-21.4%

The non-detect Aroclor 1260 results for all samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 04:55 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-40.7%
Aroclor 1260 (C)	-22.0%
Aroclor 1260 (D)	-23.9%

The non-detect Aroclor 1260 results for all samples were qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analyses results were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Field Duplicates:

One set of field duplicate samples (LR-MW05-032123 / DUP-032123) was identified as part of this SDG. There were no calculable results. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IXI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL METALS

SUMMARY

I.) General:

The analyses for Total Metals were performed per SW846 Method 6010D.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL criteria were met. No data qualification was necessary.

IV.) Blanks:

Calibration Blanks:

There were no detections reported in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections reported in the associated preparation blank. No data qualification was necessary.

V.) Interference Check Sample (ICS) Results:

All ICS criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

Batch MS / MSD analyses results were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VIII.) Serial Dilution Analysis:

Batch Serial Dilution Analysis was submitted for this fraction of the SDG. One Percent Difference (%D) exceeded the 10% QC limit. Data qualification based on batch QC results was not required. No data qualification was necessary.

IX.) Field Duplicates:

One set of field duplicate samples (LR-MW05-032123 / DUP-032123) was identified for this SDG. The calculable Relative Percent Differences (RPDs) were:

Aluminum	3.7%
Calcium	0.5%
iron	0%
Magnesium	0.2%
Manganese	1.2%
potassium	1.9%
sodium	2.1%

All RPD were within the advisory 50% QC limit. No data qualification was necessary.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The results for several analytes for samples DUP-032123 and LR-MW05-032123 were reported from a dilution analysis due to either interference or the initial analysis result for the analyte exceeding the linear calibration range. Since the Form I for each sample is a composite of the results, no data qualification was necessary.

TOTAL MERCURY

SUMMARY

I.) General:

The analyses for Total Mercury were performed per SW846 Method 7471A.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

IV.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There weas no detection reported in the associated preparation blank. No data qualification was necessary.

V.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VII.) Serial Dilution Analysis:

Serial Dilution Analysis was not required for this fraction of the SDG. No data qualification was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (LR-MW05-032123 / DUP-032123) was identified for this SDG. There were no calculable results. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL CYANIDE

SUMMARY

I.) General:

The analyses for Total Cyanide were performed per SW846 Method 9012B.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

Batch MS / MD analyses results were submitted for this fraction of the SDG. One Percent Recovery (%R) was below the QC limits. Data qualification based on bath QC results was not

required. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

One set of field duplicate samples (LR-MW05-032123 / DUP-03213) was identified for this SDG. There were no calculable results. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

Appendix A
Qualified Form Is

SGS North America Inc.

Report of Analysis

Client Sample ID:	TB-032123		
Lab Sample ID:	JD62640-1	**Date Sampled:**	03/21/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209561.D	1	03/30/23 01:50	ED	n/a	n/a	V2D9126
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	UJ
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 6/30/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-032123		
Lab Sample ID:	JD62640-1	**Date Sampled:**	03/21/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	107%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	44	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209569.D	1	03/30/23 05:49	ED	n/a	n/a	V2D9126
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	UJ
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 6/30/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	480	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F213394.D	1	03/29/23 16:31	KH	03/28/23 19:55	OP45493	EF9418
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	0.85	ug/l	
59-50-7	4-Chloro-3-methyl phenol [a]	ND UJ	5.2	0.93	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	2.5	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND UJ	5.2	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND UJ	5.2	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.92	ug/l	
88-75-5	2-Nitrophenol [a]	ND UJ	5.2	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.4	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND UJ	5.2	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	0.96	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND UJ	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.2	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene [a]	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene [a]	ND	1.0	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.42	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.35	ug/l	
86-74-8	Carbazole	ND UJ	1.0	0.24	ug/l	

ALH 6/30/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	ND UJ	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.0	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.0	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.1	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.68	ug/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND UJ	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.52	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.18	ug/l	
86-73-7	Fluorene	ND	1.0	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND UJ	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND UJ	1.0	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.22	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.2	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.40	ug/l	
100-01-6	4-Nitroaniline [a]	ND UJ	5.2	0.46	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.67	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	17%		10-71%

ALH 6/30/23

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	12%		10-58%
118-79-6	2,4,6-Tribromophenol	27%		22-144%
4165-60-0	Nitrobenzene-d5	33%		28-118%
321-60-8	2-Fluorobiphenyl	31% b		34-116%
1718-51-0	Terphenyl-d14	34%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	5.19	6.2	ug/l	J
	Internal standard added for SIM test	6.10	4.6	ug/l	J
	Internal standard added for SIM test	7.48	4.3	ug/l	J
	Internal standard added for SIM test	10.91	4.9	ug/l	J
	Unknown	18.46	16	ug/l	J
	Unknown	18.51	6.5	ug/l	J
	Total TIC, Semi-Volatile		28.7	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Surrogate recovery marginally exceeded the lower statistical limit.

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115172.D	1	03/31/23 11:10	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	1.48	0.10	0.052	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	35%		23-127%
321-60-8	2-Fluorobiphenyl	32%		23-114%
1718-51-0	Terphenyl-d14	30%		10-121%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4363.D	1	03/31/23 00:13	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	240 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.42	0.20	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.083	0.052	ug/l	
93-76-5	2,4,5-T	0.53	0.083	0.045	ug/l	
75-99-0	Dalapon	ND	0.083	0.063	ug/l	
1918-00-9	Dicamba	ND	0.083	0.026	ug/l	
120-36-5	Dichloroprop	ND	0.42	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.42	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	42	28	ug/l	
93-65-2	MCPP [a]	ND UJ	42	27	ug/l	
87-86-5	Pentachlorophenol [a]	ND	0.083	0.043	ug/l	
94-82-6	2,4-DB	ND UJ	0.42	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	52%		10-150%
19719-28-9	2,4-DCAA	47%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/30/23

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183846.D	1	03/28/23 23:45	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND UJ	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND UJ	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	NDUJ	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND UJ	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND UJ	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND UJ	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		10-175%
877-09-8	Tetrachloro-m-xylene	76%		10-175%
2051-24-3	Decachlorobiphenyl	54%		10-128%
2051-24-3	Decachlorobiphenyl	79%		10-128%

ALH 6/30/23

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499303.D	1	03/29/23 02:20	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND UJ	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		10-169%
877-09-8	Tetrachloro-m-xylene	66%		10-169%
2051-24-3	Decachlorobiphenyl	51%		10-130%
2051-24-3	Decachlorobiphenyl	44%		10-130%

ALH 6/30/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-032123
Lab Sample ID: JD62640-3
Matrix: AQ - Ground Water
Project: Lyndon Road Landfill

Date Sampled: 03/21/23
Date Received: 03/23/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony [a]	< 30	30	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Arsenic	18.4	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	445000	25000	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	13500	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Lead [a]	< 15	15	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Magnesium	42000	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	168	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/29/23	03/30/23	LM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	10500	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium [a]	< 50	50	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	47800	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA53931
(2) Instrument QC Batch: MA53939
(3) Instrument QC Batch: MA53941
(4) Prep QC Batch: MP38701
(5) Prep QC Batch: MP38749

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:41	MM	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209570.D	1	03/30/23 06:19	ED	n/a	n/a	V2D9126
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND UJ	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 6/30/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	490	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F213395.D	1	03/29/23 16:56	KH	03/28/23 19:55	OP45493	EF9418
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol [a]	ND UJ	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND UJ	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND UJ	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.91	ug/l	
	3&4-Methylphenol	ND	2.0	0.90	ug/l	
88-75-5	2-Nitrophenol [a]	ND UJ	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND UJ	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.94	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND UJ	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.0	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene [a]	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene [a]	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	ND UJ	1.0	0.23	ug/l	

ALH 6/30/23

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW05-032123
Lab Sample ID: JD62640-4
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/21/23
Date Received: 03/23/23
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	ND UJ	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.0	0.52	ug/l	
123-91-1	1,4-Dioxane	2.6	1.0	0.67	ug/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND UJ	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND UJ	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline [a]	ND UJ	5.1	0.45	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-71%

ALH 6/30/23

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	27%		10-58%
118-79-6	2,4,6-Tribromophenol	78%		22-144%
4165-60-0	Nitrobenzene-d5	71%		28-118%
321-60-8	2-Fluorobiphenyl	69%		34-116%
1718-51-0	Terphenyl-d14	78%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	6.10	4.1	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115173.D	1	03/31/23 13:18	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	2.87	0.10	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	63%		10-121%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4364.D	1	03/31/23 00:35	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	0.61	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	41	28	ug/l	
93-65-2	MCPP [a]	ND UJ	41	26	ug/l	
87-86-5	Pentachlorophenol [a]	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND UJ	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	40%		10-150%
19719-28-9	2,4-DCAA	38%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/30/23

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183847.D	1	03/29/23 00:03	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	UJ
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	UJ
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	UJ
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	UJ
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	UJ
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	UJ
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		10-175%
877-09-8	Tetrachloro-m-xylene	85%		10-175%
2051-24-3	Decachlorobiphenyl	62%		10-128%
2051-24-3	Decachlorobiphenyl	92%		10-128%

ALH 6/30/23

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499304.D	1	03/29/23 02:38	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND UJ	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-169%
877-09-8	Tetrachloro-m-xylene	67%		10-169%
2051-24-3	Decachlorobiphenyl	51%		10-130%
2051-24-3	Decachlorobiphenyl	46%		10-130%

ALH 6/30/23

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Report of Analysis

Client Sample ID: LR-MW05-032123
Lab Sample ID: JD62640-4
Matrix: AQ - Ground Water
Project: Lyndon Road Landfill

Date Sampled: 03/21/23
Date Received: 03/23/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony [a]	< 30	30	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Arsenic	19.1	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	443000	25000	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	13500	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Lead [a]	< 15	15	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Magnesium	42100	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	170	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/29/23	03/30/23	LM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	10700	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium [a]	< 50	50	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	48800	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA53931
(2) Instrument QC Batch: MA53939
(3) Instrument QC Batch: MA53941
(4) Prep QC Batch: MP38701
(5) Prep QC Batch: MP38749

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:42	MM	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209571.D	1	03/30/23 06:49	ED	n/a	n/a	V2D9126
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	3.1 J	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND UJ	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 6/30/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	330	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F213396.D	1	03/29/23 17:21	KH	03/28/23 19:55	OP45493	EF9418
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	0.79	ug/l	
59-50-7	4-Chloro-3-methyl phenol [a]	ND UJ	4.8	0.86	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.9	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	2.3	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND UJ	4.8	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND UJ	4.8	1.2	ug/l	
95-48-7	2-Methylphenol	ND	1.9	0.85	ug/l	
	3&4-Methylphenol	ND	1.9	0.85	ug/l	
88-75-5	2-Nitrophenol [a]	ND UJ	4.8	0.92	ug/l	
100-02-7	4-Nitrophenol	ND	9.6	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	3.8	1.3	ug/l	
108-95-2	Phenol	ND	1.9	0.38	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND UJ	4.8	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.89	ug/l	
83-32-9	Acenaphthene	ND	0.96	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.96	0.13	ug/l	
98-86-2	Acetophenone	ND UJ	1.9	0.20	ug/l	
120-12-7	Anthracene	ND	0.96	0.20	ug/l	
1912-24-9	Atrazine [a]	ND	1.9	0.43	ug/l	
100-52-7	Benzaldehyde	ND	4.8	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.96	0.20	ug/l	
50-32-8	Benzo(a)pyrene [a]	ND	0.96	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.96	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene [a]	ND	0.96	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.96	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.9	0.39	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.9	0.44	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.96	0.20	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.9	0.23	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.33	ug/l	
86-74-8	Carbazole	ND UJ	0.96	0.22	ug/l	

ALH 6/30/23

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	1.9	0.62	ug/l	
218-01-9	Chrysene	ND UJ	0.96	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.9	0.27	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.9	0.24	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	1.9	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.9	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	0.96	0.53	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	0.96	0.46	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	1.9	0.49	ug/l	
123-91-1	1,4-Dioxane	ND	0.96	0.63	ug/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND UJ	0.96	0.32	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.21	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.9	0.48	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.9	0.22	ug/l	
84-66-2	Diethyl phthalate	ND	1.9	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	1.9	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.9	1.6	ug/l	
206-44-0	Fluoranthene	ND	0.96	0.16	ug/l	
86-73-7	Fluorene	ND	0.96	0.16	ug/l	
118-74-1	Hexachlorobenzene	ND	0.96	0.31	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	0.96	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	9.6	2.7	ug/l	
67-72-1	Hexachloroethane	ND	1.9	0.37	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND UJ	0.96	0.32	ug/l	
78-59-1	Isophorone	ND	1.9	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.96	0.20	ug/l	
88-74-4	2-Nitroaniline [a]	ND	4.8	0.27	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.37	ug/l	
100-01-6	4-Nitroaniline [a]	ND UJ	4.8	0.42	ug/l	
91-20-3	Naphthalene	ND	0.96	0.22	ug/l	
98-95-3	Nitrobenzene	ND	1.9	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.9	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.21	ug/l	
85-01-8	Phenanthrene	ND	0.96	0.17	ug/l	
129-00-0	Pyrene	ND	0.96	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.9	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		10-71%

ALH 6/30/23

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Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%		10-58%
118-79-6	2,4,6-Tribromophenol	68%		22-144%
4165-60-0	Nitrobenzene-d5	70%		28-118%
321-60-8	2-Fluorobiphenyl	67%		34-116%
1718-51-0	Terphenyl-d14	79%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	6.10	3.9	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115174.D	1	03/31/23 13:39	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.096	0.048	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	67%		10-121%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4368.D	1	03/31/23 02:01	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.40	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.043	ug/l	
75-99-0	Dalapon	ND	0.080	0.060	ug/l	
1918-00-9	Dicamba	ND	0.080	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.40	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.40	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	40	27	ug/l	
93-65-2	MCPP [a]	ND UJ	40	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.080	0.041	ug/l	
94-82-6	2,4-DB	ND UJ	0.40	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	37%		10-150%
19719-28-9	2,4-DCAA	39%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

AL H 6/30/23 Typ text here

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SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183848.D	1	03/29/23 00:20	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0074	0.0038	ug/l	
319-84-6	alpha-BHC	ND	0.0074	0.0039	ug/l	
319-85-7	beta-BHC	ND	0.0074	0.0059	ug/l	
319-86-8	delta-BHC	ND UJ	0.0074	0.0049	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0074	0.0044	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0074	0.0037	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0074	0.0032	ug/l	
60-57-1	Dieldrin	ND	0.0074	0.0057	ug/l	
72-54-8	4,4'-DDD	ND	0.0074	0.0043	ug/l	
72-55-9	4,4'-DDE	ND UJ	0.0074	0.0037	ug/l	
50-29-3	4,4'-DDT	ND	0.0074	0.0051	ug/l	
72-20-8	Endrin	ND	0.0074	0.0045	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0074	0.0040	ug/l	
7421-93-4	Endrin aldehyde	ND UJ	0.0074	0.0050	ug/l	
53494-70-5	Endrin ketone	ND UJ	0.0074	0.0046	ug/l	
959-98-8	Endosulfan-I	ND UJ	0.0074	0.0039	ug/l	
33213-65-9	Endosulfan-II	ND	0.0074	0.0036	ug/l	
76-44-8	Heptachlor	ND	0.0074	0.0033	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0074	0.0044	ug/l	
72-43-5	Methoxychlor	ND UJ	0.015	0.0050	ug/l	
8001-35-2	Toxaphene	ND	0.19	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		10-175%
877-09-8	Tetrachloro-m-xylene	65%		10-175%
2051-24-3	Decachlorobiphenyl	69%		10-128%
2051-24-3	Decachlorobiphenyl	95%		10-128%

ALH 6/30/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499305.D	1	03/29/23 02:55	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.37	0.15	ug/l	
11104-28-2	Aroclor 1221	ND	0.37	0.31	ug/l	
11141-16-5	Aroclor 1232	ND	0.37	0.19	ug/l	
53469-21-9	Aroclor 1242	ND	0.37	0.17	ug/l	
12672-29-6	Aroclor 1248	ND	0.37	0.093	ug/l	
11097-69-1	Aroclor 1254	ND	0.37	0.31	ug/l	
11096-82-5	Aroclor 1260	NDUJ	0.37	0.11	ug/l	
11100-14-4	Aroclor 1268	ND	0.37	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.37	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		10-169%
877-09-8	Tetrachloro-m-xylene	61%		10-169%
2051-24-3	Decachlorobiphenyl	63%		10-130%
2051-24-3	Decachlorobiphenyl	56%		10-130%

ALH 6/30/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW08-032123
Lab Sample ID: JD62640-5
Matrix: AQ - Ground Water
Project: Lyndon Road Landfill

Date Sampled: 03/21/23
Date Received: 03/23/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	3.4	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	70100	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	263	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	40600	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	791	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/29/23	03/30/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	78200	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53931
(2) Instrument QC Batch: MA53939
(3) Prep QC Batch: MP38701
(4) Prep QC Batch: MP38749

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.012	0.010	mg/l	1	03/29/23 12:43	MM	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW03-032123		
Lab Sample ID:	JD62640-6	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115175.D	1	03/31/23 14:01	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	1.88	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		23-127%
321-60-8	2-Fluorobiphenyl	63%		23-114%
1718-51-0	Terphenyl-d14	45%		10-121%

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VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Water and Ground Water
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD62640
SAMPLING DATE(S):	March 21, 2023
REPORT DATE:	June 6, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
EB-032123	JD62640-2	X
DUP-032123	JD62640-3A	X
LR-MW05-032123	JD62640-4A	X
LR-MW05-032123MS	JD62640-4AMS	X
LR-MW05-032123MSD	JD62640-4AMSD	X
LR-MW08-032123	JD62640-5A	X
LR-MW03-032123	JD62640-6A	X
LR-MW03-032123DL	JD62640-6ADL	X
LR-MW03-032123DL2	JD62640-6ADL2	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD62640

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all samples and method types listed on the COC.

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements.

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

Continuing Calibration Verification (CCV) CC239 reported percent difference (%D) greater than the 30% limit for the following analytes.

Client ID	Lab ID	Analyte	Qualification
EB032123	JD62640-2	7:3FTCA	UJ
DUP-032123	JD62640-3A		

Client ID	Lab ID	Analyte	Qualification
LR-MW05-032123	JD62640-4A	7:3FTCA	UJ
LR-MW08-032123	JD62640-5A		
LR-MW05-032123	JD62640-4A	8:2FTS	UJ
LR-MW08-032123	JD62640-5A		

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Method blank, OP96192-MB, was free from contamination. No qualification was made based on this finding.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued for this SDG.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Equipment blank, EB-032123/JD62640-2, was free of contamination. No data were qualified based on equipment blank contamination.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed on sample LR-MW05-032123/JD62640-4A. All MS / MSD criteria were met. No qualification was made based on this finding.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No qualification was made based on LCS precision.

VIII.) Field Duplicates:

Field duplicate pair DUP-032123/JD62640-3A & LR-MW05-032123/JD62640-4A are comparable within the Relative Percent Difference (RPD) of < 30%.

IX.) Extracted Internal Standards (EIS):

The following table lists the samples the EIS criteria outside the 50%-150% recovery limits.

Client ID	**Lab ID**	**EIS**	**Associated Analyte**	**Qualification**
EB-032123	JD62640-2	13C2-PFTeDA	PFTeDA	UJ
		D3-MeFOSAA	MeFOSAA	UJ
		D5-EtFOSAA	EtFOSAA	UJ
		D9-EtFOSE	EtFOSE	UJ
DUP-032123	JD62640-3A	13C2-PFTeDA	PFTeDA	UJ
		D5-EtFOSA	EtFOS	UJ
LR-MW05-032123	JD62640-4A	13C2-PFTeDA	PFTeDA	UJ
		D5-EtFOSA	EtFOS	UJ
LR-MW08-032123	JD62640-5A	13C4-PFBA	PFBA	J
		D5-EtFOSA	EtFOSA	UJ
		13C2-4:2FTS	4:2FTS	UJ
		13C2-6:2FTS	6:2FTS	UJ
		13C2-8:2 FTS	8:2FTS	UJ
LR-MW03-032123	JD62640-6A	13C4-PFBA	PFBA	J
		D5-EtFOSA	EtFOSA	UJ
		D9-EtFOSE	EtFOSE	UJ
		D3-MeFOSAA	MeFOSAA	J
		D5-EtFOSAA	EtFOSAA	J
		13C2-4:2FTS	4:2FTS	UJ
		13C2-6:2FTS	6:2FTS	UJ
		13C2-8:2 FTS	8:2FTS	UJ

X.) Ion Transitions:

The following ratios of quantifier ion response to qualifier ion response were outside the laboratory criteria:

Client ID	LAB ID	Analyte	Qualifier
DUP-032123	JD62640-3A	PFHxA PFHpA PFOA	J
LR-MW05-032123	JD62640-4A	PFHxA PFHpA PFOA PFHxS EtFOSAA	J
LR-MW08-032123	JD62640-5A	PFHxA PFHpA PFNA PFOS	J
LR-MW03-032123	JD62640-6A	PFHxA PFHpA PFNA PFDA PFBS PFHpS PFOS PFOSA PFOA MeFOSAA	J

XI.) Reporting limits (RLs):

All reporting limit criteria were met. Several sample results were greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. These qualifiers were confirmed by the validator. Sample LR-MW03-032123/JD62640-06A was analyzed at 5X and 10X dilutions for several analytes. These analytes were reported from the dilutions. The Reporting limits for these analytes are elevated due to the dilutions.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	LAB ID	Analyte	Qualifier
EB032123	JD62640-2	7:3FTCA	UJ
DUP-032123	JD62640-3A		
LR-MW05-032123	JD62640-4A	7:3FTCA	UJ
LR-MW08-032123	JD62640-5A		
LR-MW05-032123	JD62640-4A	8:2FTS	UJ
LR-MW08-032123	JD62640-5A		
EB-032123	JD62640-2	PFTeDA MeFOSAA EtFOSAA EtFOSE	UJ UJ UJ UJ
DUP-032123	JD62640-3A	PFTeDA EtFOS	UJ UJ
LR-MW05-032123	JD62640-4A	PFTeDA EtFOS	UJ UJ
LR-MW08-032123	JD62640-5A	PFBA EtFOSA 4:2FTS 6:2FTS 8:2FTS	J UJ UJ UJ UJ
LR-MW03-032123	JD62640-6A	PFBA EtFOSA EtFOSE MeFOSAA EtFOSAA 4:2FTS 6:2FTS 8:2FTS	J UJ UJ J J UJ UJ UJ
DUP-032123	JD62640-3A	PFHxA PFHpA PFOA	J
LR-MW05-032123	JD62640-4A	PFHxA PFHpA PFOA PFHxS EtFOSAA	J
LR-MW08-032123	JD62640-5A	PFHxA PFHpA PFNA PFOS	J

Client ID	LAB ID	Analyte	Qualifier
LR-MW03-032123	JD62640-6A	PFHxA PFHpA PFNA PFDA PFBS PFHpS PFOS PFOSA PFOA MeFOSAA	J

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

SGS North America Inc.

Report of Analysis

Client Sample ID:	EB-032123		
Lab Sample ID:	JD62640-2	**Date Sampled:**	03/21/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16191.D	1	04/06/23 14:18	AFL	03/31/23 09:58	F:OP96192	F:S6Q241
Run #2							

	Initial Volume	Final Volume
Run #1	545 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0073	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0037	0.00092	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0018	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0018	0.00046	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0018	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00055	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00055	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00077	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00046	ug/l	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0018	0.00092	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00092	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00092	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0018	0.00092	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00092	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00092	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0073	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0073	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0073	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00092	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00092	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00092	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/6/23

Report of Analysis

Client Sample ID:	EB-032123		
Lab Sample ID:	JD62640-2	**Date Sampled:**	03/21/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00092	ug/l	UJ
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0092	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0092	ug/l	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0073	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0073	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00092	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0073	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0073	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00092	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0092	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0092	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.046	0.0092	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	98%		20-150%
	13C5-PFPeA	101%		20-150%
	13C5-PFHxA	101%		20-150%
	13C4-PFHpA	98%		20-150%
	13C8-PFOA	89%		20-150%
	13C9-PFNA	85%		20-150%
	13C6-PFDA	85%		20-150%
	13C7-PFUnDA	74%		20-150%
	13C2-PFDoDA	57%		20-150%
	13C2-PFTeDA	49%		20-150%
	13C3-PFBS	91%		20-150%
	13C3-PFHxS	85%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/6/23

Report of Analysis

Client Sample ID:	EB-032123		
Lab Sample ID:	JD62640-2	**Date Sampled:**	03/21/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	86%		20-150%
	13C8-FOSA	72%		20-150%
	d3-MeFOSA	49%		20-150%
	d5-EtFOSA	45%		20-150%
	d3-MeFOSAA	92%		20-150%
	d5-EtFOSAA	83%		20-150%
	d7-MeFOSE	53%		20-150%
	d9-EtFOSE	48%		20-150%
	13C2-4:2FTS	107%		20-150%
	13C2-6:2FTS	109%		20-150%
	13C2-8:2FTS	96%		20-150%
	13C3-HFPO-DA	102%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16078.D	1	04/05/23 07:02	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	480 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.152	0.0083	0.0042	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0062	0.0042	0.0010	ug/l	
307-24-4	Perfluorohexanoic acid	0.0114	0.0021	0.00052	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.0022	0.0021	0.00052	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0254	0.0021	0.00052	ug/l	J
375-95-1	Perfluorononanoic acid	ND	0.0021	0.00064	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0021	0.00052	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0021	0.00063	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0021	0.00063	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0021	0.00088	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0021	0.00052	ug/l	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0021	0.0010	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0021	0.0012	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0021	0.0010	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0021	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0038	0.0021	0.0010	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0021	0.0010	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0021	0.0010	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0021	0.0012	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0083	0.0042	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0083	0.0042	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0083	0.0043	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0021	0.0010	ug/l	
31506-32-8	MeFOSA	ND	0.0021	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0021	0.0010	ug/l	UJ

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/6/23

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0021	0.0010	ug/l	
2991-50-6	EtFOSAA	ND	0.0021	0.0014	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.021	0.010	ug/l	
1691-99-2	EtFOSE	ND	0.021	0.010	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0083	0.0021	ug/l	
919005-14-4	ADONA	ND	0.0083	0.0021	ug/l	
377-73-1	PFMPA	ND	0.0042	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0042	0.0012	ug/l	
151772-58-6	NFDHA	ND	0.0042	0.0013	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0083	0.0021	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0083	0.0021	ug/l	
113507-82-7	PFEESA	ND	0.0042	0.0010	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.010	0.0052	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.052	0.010	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.052	0.010	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	98%		20-150%
	13C5-PFHxA	103%		20-150%
	13C4-PFHpA	99%		20-150%
	13C8-PFOA	91%		20-150%
	13C9-PFNA	102%		20-150%
	13C6-PFDA	83%		20-150%
	13C7-PFUnDA	69%		20-150%
	13C2-PFDoDA	54%		20-150%
	13C2-PFTeDA	47%		20-150%
	13C3-PFBS	94%		20-150%
	13C3-PFHxS	92%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/6/23

Report of Analysis

Client Sample ID:	DUP-032123		
Lab Sample ID:	JD62640-3A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	91%		20-150%
	13C8-FOSA	83%		20-150%
	d3-MeFOSA	52%		20-150%
	d5-EtFOSA	42%		20-150%
	d3-MeFOSAA	91%		20-150%
	d5-EtFOSAA	90%		20-150%
	d7-MeFOSE	55%		20-150%
	d9-EtFOSE	50%		20-150%
	13C2-4:2FTS	91%		20-150%
	13C2-6:2FTS	109%		20-150%
	13C2-8:2FTS	77%		20-150%
	13C3-HFPO-DA	94%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16079.D	1	04/05/23 07:16	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	525 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.156	0.0076	0.0038	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0055	0.0038	0.00095	ug/l	
307-24-4	Perfluorohexanoic acid	0.0113	0.0019	0.00048	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.0026	0.0019	0.00048	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0240	0.0019	0.00048	ug/l	J
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00058	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00048	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00057	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00057	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00080	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00048	ug/l	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0019	0.00095	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0011	0.0019	0.00095	ug/l	J J
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00095	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0038	0.0019	0.00095	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00095	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00095	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0076	0.0038	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0076	0.0038	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0076	0.0039	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00095	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00095	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00095	ug/l	UJ

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/6/23

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00095	ug/l	
2991-50-6	EtFOSAA	0.0013	0.0019	0.0013	ug/l	J J
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0095	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0095	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0076	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0076	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0038	0.00095	ug/l	
863090-89-5	PFMBA	ND	0.0038	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0038	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0076	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0076	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0038	0.00095	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0095	0.0048	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.048	0.0095	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.048	0.0095	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	69%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	107%		20-150%
	13C4-PFHpA	110%		20-150%
	13C8-PFOA	103%		20-150%
	13C9-PFNA	103%		20-150%
	13C6-PFDA	81%		20-150%
	13C7-PFUnDA	67%		20-150%
	13C2-PFDoDA	55%		20-150%
	13C2-PFTeDA	49%		20-150%
	13C3-PFBS	98%		20-150%
	13C3-PFHxS	99%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/6/23

Report of Analysis

Client Sample ID:	LR-MW05-032123		
Lab Sample ID:	JD62640-4A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	89%		20-150%
	13C8-FOSA	79%		20-150%
	d3-MeFOSA	51%		20-150%
	d5-EtFOSA	48%		20-150%
	d3-MeFOSAA	68%		20-150%
	d5-EtFOSAA	69%		20-150%
	d7-MeFOSE	56%		20-150%
	d9-EtFOSE	54%		20-150%
	13C2-4:2FTS	96%		20-150%
	13C2-6:2FTS	101%		20-150%
	13C2-8:2FTS	85%		20-150%
	13C3-HFPO-DA	95%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16080.D	1	04/05/23 07:30	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	515 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0240	0.0078	0.0039	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0103	0.0039	0.00097	ug/l	
307-24-4	Perfluorohexanoic acid	0.0076	0.0019	0.00049	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.0050	0.0019	0.00049	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0094	0.0019	0.00049	ug/l	
375-95-1	Perfluorononanoic acid	0.0010	0.0019	0.00059	ug/l	J J
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00049	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00058	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00058	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00082	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00049	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0019	0.00097	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00097	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00097	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0016	0.0019	0.00097	ug/l	J J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00097	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00097	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	UJ
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0078	0.0040	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00097	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00097	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00097	ug/l	UJ

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/6/23

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00097	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0097	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0097	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0078	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0078	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0039	0.00097	ug/l	
863090-89-5	PFMBA	ND	0.0039	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0039	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0078	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0078	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0039	0.00097	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0097	0.0049	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.049	0.0097	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.049	0.0097	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	59%		20-150%
	13C5-PFPeA	113%		20-150%
	13C5-PFHxA	113%		20-150%
	13C4-PFHpA	112%		20-150%
	13C8-PFOA	109%		20-150%
	13C9-PFNA	88%		20-150%
	13C6-PFDA	90%		20-150%
	13C7-PFUnDA	81%		20-150%
	13C2-PFDoDA	66%		20-150%
	13C2-PFTeDA	63%		20-150%
	13C3-PFBS	101%		20-150%
	13C3-PFHxS	101%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/6/23

Report of Analysis

Client Sample ID:	LR-MW08-032123		
Lab Sample ID:	JD62640-5A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	87%		20-150%
	13C8-FOSA	87%		20-150%
	d3-MeFOSA	65%		20-150%
	d5-EtFOSA	60%		20-150%
	d3-MeFOSAA	81%		20-150%
	d5-EtFOSAA	84%		20-150%
	d7-MeFOSE	62%		20-150%
	d9-EtFOSE	65%		20-150%
	13C2-4:2FTS	108%		20-150%
	13C2-6:2FTS	107%		20-150%
	13C2-8:2FTS	83%		20-150%
	13C3-HFPO-DA	108%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW03-032123		
Lab Sample ID:	JD62640-6A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16081.D	1	04/05/23 07:44	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2 [a]	6Q16118.D	5	04/05/23 16:59	AFL	03/31/23 09:58	F:OP96192	F:S6Q240
Run #3 [a]	6Q16119.D	10	04/05/23 17:13	AFL	03/31/23 09:58	F:OP96192	F:S6Q240

	Initial Volume	Final Volume
Run #1	520 ml	5.0 ml
Run #2	520 ml	5.0 ml
Run #3	520 ml	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.679	0.0077	0.0038	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.104	0.0038	0.00096	ug/l	
307-24-4	Perfluorohexanoic acid	0.114	0.0019	0.00048	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.0782	0.0019	0.00048	ug/l	J
335-67-1	Perfluorooctanoic acid	1.23 [b]	0.0096	0.0024	ug/l	J
375-95-1	Perfluorononanoic acid	0.0097	0.0019	0.00059	ug/l	J
335-76-2	Perfluorodecanoic acid	0.00083	0.0019	0.00048	ug/l	J J
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00058	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00058	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00081	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00048	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0245	0.0019	0.00096	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	0.0199	0.0019	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0467	0.0019	0.00096	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	0.0119	0.0019	0.00096	ug/l	J
1763-23-1	Perfluorooctanesulfonic acid	0.184	0.0019	0.00096	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00096	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00096	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND [c]	0.077	0.038	ug/l	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND [c]	0.077	0.038	ug/l	UJ
39108-34-4	8:2 Fluorotelomer sulfonate	ND [b]	0.038	0.020	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	0.0016	0.0019	0.00096	ug/l	J J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/6/23

Report of Analysis

Client Sample ID:	LR-MW03-032123		
Lab Sample ID:	JD62640-6A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
31506-32-8	MeFOSA	ND	0.0019	0.00096	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00096	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	0.0139 [b]	0.0096	0.0048	ug/l	J
2991-50-6	EtFOSAA	0.0518 [b]	0.0096	0.0064	ug/l	J
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0096	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0096	ug/l	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0077	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0077	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0038	0.00096	ug/l	
863090-89-5	PFMBA	ND	0.0038	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0038	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0077	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0077	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0038	0.00096	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0096	0.0048	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.048	0.0096	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND [b]	0.24	0.048	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Run# 3	Limits
	13C4-PFBA	28%	25%	24%	20-150%
	13C5-PFPeA	58%	70%	84%	20-150%
	13C5-PFHxA	102%	92%	91%	20-150%
	13C4-PFHpA	124%	99%	105%	20-150%
	13C8-PFOA	97%	106%	93%	20-150%
	13C9-PFNA	97%	80%	69%	20-150%
	13C6-PFDA	108%	114%	109%	20-150%
	13C7-PFUnDA	104%	106%	76%	20-150%
	13C2-PFDoDA	83%	73%	79%	20-150%
	13C2-PFTeDA	52%	52%	49%	20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/6/23

Report of Analysis

Client Sample ID:	LR-MW03-032123		
Lab Sample ID:	JD62640-6A	**Date Sampled:**	03/21/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Run# 3	Limits
	13C3-PFBS	96%	93%	91%	20-150%
	13C3-PFHxS	101%	92%	69%	20-150%
	13C8-PFOS	98%	99%	97%	20-150%
	13C8-FOSA	110%	89%	71%	20-150%
	d3-MeFOSA	63%	55%	58%	20-150%
	d5-EtFOSA	49%	52%	49%	20-150%
	d3-MeFOSAA	161% [d]	126%	79%	20-150%
	d5-EtFOSAA	174% [d]	118%	105%	20-150%
	d7-MeFOSE	59%	58%	50%	20-150%
	d9-EtFOSE	52%	50%	42%	20-150%
	13C2-4:2FTS	170% [d]	163% [d]	82%	20-150%
	13C2-6:2FTS	240% [d]	167% [d]	71%	20-150%
	13C2-8:2FTS	205% [d]	84%	90%	20-150%
	13C3-HFPO-DA	71%	74%	91%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ramboll
SITE NAME:	Lyndon Rd. Landfill
CONTRACTED LAB:	SGS Dayton, NJ
QA/QC LEVEL:	DUSR
EPA SOW/METHODS:	SW-846 Methods
VALIDATION GUIDELINES:	*USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS_SOP_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1)*; Professional Judgment
SAMPLE MATRIX:	Water
TYPE OF ANALYSIS:	Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), 1,4-dioxane, Herbicides, Pesticides, Polychlorinated Biphenyls (PCB), Metals, Mercury, Cyanide,
SDG NUMBER:	JD62631
SAMPLING DATES:	March 22, 2023

SAMPLES:

Client Sample #	Lab Sample #	VOC	SVOC
LR-TB-032223	JD62631-2	X	
LR-MW06-032223	JD62631-3	X	X
LR-MW07-032223	JD62631-4	X	X
LR-MW07-032223MS	JD62631-4MS	X	X
LR-MW07-032223MSD	JD62631-4MSD	X	X

Client Sample #	Lab Sample #	1,4-Dioxane	HERB
LR-MW06-032223	JD62631-3	X	X
LR-MW07-032223	JD62631-4	X	X
LR-MW07-032223MS	JD62631-4MS	X	X
LR-MW07-032223MSD	JD62631-4MSD	X	X
LR-MW02-032223	JD62631-5	X	
LR-MW04-032223	JD62631-5DL	X	
LR-MW01-032223	JD62631-7	X	

Client Sample #	Lab Sample #	PEST	PCB
LR-MW06-032223	JD62631-3	X	X
LR-MW07-032223	JD62631-4	X	X
LR-MW07-032223MS	JD62631-4MS	X	X
LR-MW07-032223MSD	JD62631-4MSD	X	X

Client Sample #	Lab Sample #	Met/Hg	CN
LR-MW06-032223	JD62631-3	X	X
LR-MW06-032223DL	JD62631-3DL	X	
LR-MW07-032223	JD62631-4	X	X
LR-MW07-032223DL	JD62631-4DL	X	
LR-MW07-032223MS	JD62631-4MS	X	X
LR-MW07-032223MSD	JD62631-4MSD	X	X

Suffix Codes: DL = DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Amy L. Hogan, Sandra Nacquin

DATA VALIDATION SUMMARY

SGS Dayton, New Jersey – JD62631 - Organics

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per SW846 Method 8260D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/30/23 at 09:32 on instrument GCMS1G exceeded the 20% QC limit for the following compounds:

chloroethane	-35.5%

trichlorofluoromethane	-24.3%
acetone	-21.0%

The results for these compounds in the SDG samples which were all non-detect, were qualified as estimated (UJ).

It was noted by the validator that the lab did not analyze a closing calibration standard. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Trip Blank:

There were no detections reported in the associated trip blank for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analysis was performed using sample LR-MW07-032223. One Percent Recovery (%R) exceeded the QC limits. Data qualification based on MS / MSD criteria alone was not required. No data qualification was necessary.

X.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOC)

SUMMARY

I.) General:

The analyses for Semivolatile Organics and for 1,4-dioxane as a Semivolatile Organic Compound (SVOC) were performed per SW-846 Method 8270E.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/29/23 AT 22:27 On instrument GCMSCJ was -22.8% for 3,3-dichlorobenzidine, which exceeded the 20% QC limit. The results for this compound in the SDG samples, which were all non-detect, were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

There were no detections reported in the associated method blank. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS/ MSD analyses were performed using sample LR-MW07-032223. All criteria were met. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The 1,4-dioxane result for the initial analysis of sample LR-MW04-032223 exceeded the linear calibration range. A 5X dilution analysis was performed for the sample with all calibration criteria met. Since the lab only reported one result for the sample, no data qualification was necessary.

HERBICIDES

SUMMARY

I.) General:

The analyses for Herbicides were performed per SW846 Method 8151A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/31/23 at 01:18 on instrument GC9G exceeded the 20% QC limit for the following compounds:

MCPP	-29.5%/-67.9%
MCPA	-20.4%/-691.2%
2,4-D	25.9%
2,4-DB	26.0%
Dinoseb	-23.7%

The results for these compounds in the SDG samples, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/31/23 at 05:17 on instrument GC9G exceeded the 20% QC limit for the following compounds:

MCPP	-51.1%
MPCA	-43.1%
2,4-DB	23.6%

The results for these compounds in the SDG samples, which were all non-detect, were qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections reported in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using sample LR-MW07-032223. Eight Percent Recoveries

(%Rs) were below the QC limits. Data qualification based on MS / MSD criteria alone was not required. No data qualification was necessary.

VII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

PESTICIDES

SUMMARY

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/28/23 at 19:29 on instrument GC1G exceeded the 20% QC limit for the following compounds:

Delta BHC	-22.9%
Endrin ketone	-27.3%

The non-detect results for these compounds in both SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 01:59 on instrument GC1G exceeded the 20% QC limit for the following compounds:

Endosulfan I	-22.2%
4,4'-DDE	35.6%
Methoxychlor	30.3%
Endrin aldehyde	-20.5%
Endrin ketone	-29.5%

The non-detect results for these compounds in both SDG samples were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

There were no detections reported in the associated method blank. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. All criteria were met. No data

qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using sample LR-MW04-032223. All criteria were met. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

POLYCHLORINATED BIPHENYLS (PCB)

SUMMARY

I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/29/23 at 01:46 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-37.2%
Aroclor 1260 (C)	-21.5%
Aroclor 1260 (D)	-21.4%

The non-detect Aroclor 1260 results for both samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 04:55 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-40.7%
Aroclor 1260 (C)	-22.0%
Aroclor 1260 (D)	-23.9%

The non-detect Aroclor 1260 results for both samples were qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

One LCS was analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using sample LR-MW07-032223. All criteria were met. No data qualification was necessary.

VII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IXI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL METALS

SUMMARY

I.) General:

The analyses for Total Metals were performed per SW846 Method 6010D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL criteria were met. No data qualification was necessary.

IV.) Blanks:

Calibration Blanks:

There were no detections reported in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections reported in the associated preparation blank. No data qualification was necessary.

V.) Interference Check Sample (ICS) Results:

All ICS criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using sample LR-MW07-032223. The parent sample result for calcium was greater than 4X the spike concentration, so the results for this analyte were not considered meaningful. All other criteria were met. No data qualification was necessary.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VIII.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using sample LR-MW-07-032223. The Percent

Difference (%D) for manganese at 18.2% exceeded the 10% QC limit. The positive manganese result for the parent sample was qualified as estimated (J).

IX.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL MERCURY

SUMMARY

I.) General:

The analyses for Total Mercury were performed per SW846 Method 7471A.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

IV.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There weas no detection reported in the associated preparation blank. No data qualification was necessary.

V.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using sample LR-MW07-032223. All criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VII.) Serial Dilution Analysis:

Serial Dilution Analysis was not required for this fraction of the SDG. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL CYANIDE

SUMMARY

I.) General:

The analyses for Total Cyanide were performed per SW846 Method 9012B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

MS / MD analyses were performed using sample LR-MW07-032223. The Percent Recovery (%R) of 28.8% was below the QC limits. The non-detect result for the parent sample was qualified as estimated (UJ).

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

There were no field duplicate samples identified for this SDG. The calculable difference was less than the RL. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

Appendix A
Qualified Form Is

SGS North America Inc.

Report of Analysis

Client Sample ID:	LT-TB-032223		
Lab Sample ID:	JD62631-2	**Date Sampled:**	03/22/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G1335A.D	1	03/30/23 16:58	KD	n/a	n/a	V1G49
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND UJ	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LT-TB-032223		
Lab Sample ID:	JD62631-2	**Date Sampled:**	03/22/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [a]	ND UJ	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G1337A.D	1	03/30/23 17:48	KD	n/a	n/a	V1G49
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND UJ	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [a]	ND UJ	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.04	7	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CJ259.D	1	03/30/23 01:30	RS	03/29/23 08:25	OP45462	ECJ19
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-032223
Lab Sample ID: JD62631-3
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/22/23
Date Received: 03/23/23
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.0	0.51	ug/l	UJ
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		10-71%

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	21%		10-58%
118-79-6	2,4,6-Tribromophenol	85%		22-144%
4165-60-0	Nitrobenzene-d5	58%		28-118%
321-60-8	2-Fluorobiphenyl	63%		34-116%
1718-51-0	Terphenyl-d14	55%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS1429.D	1	03/30/23 19:10	RS	03/29/23 08:25	OP45462A	ECS78
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.0927	0.10	0.050	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	46%		10-121%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4369.D	1	03/31/23 02:23	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	41	28	ug/l	
93-65-2	MCPP [a]	ND UJ	41	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND UJ	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	49%		10-150%
19719-28-9	2,4-DCAA	47%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183849.D	1	03/29/23 00:37	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0082	0.0042	ug/l	
319-84-6	alpha-BHC	ND	0.0082	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0082	0.0065	ug/l	
319-86-8	delta-BHC	ND UJ	0.0082	0.0054	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0082	0.0049	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0082	0.0040	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0082	0.0035	ug/l	
60-57-1	Dieldrin	ND	0.0082	0.0063	ug/l	
72-54-8	4,4'-DDD	ND	0.0082	0.0047	ug/l	
72-55-9	4,4'-DDE [a]	ND UJ	0.0082	0.0041	ug/l	
50-29-3	4,4'-DDT	ND	0.0082	0.0056	ug/l	
72-20-8	Endrin	ND	0.0082	0.0049	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0082	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND UJ	0.0082	0.0055	ug/l	
53494-70-5	Endrin ketone	ND UJ	0.0082	0.0051	ug/l	
959-98-8	Endosulfan-I [b]	ND UJ	0.0082	0.0043	ug/l	
33213-65-9	Endosulfan-II	ND	0.0082	0.0040	ug/l	
76-44-8	Heptachlor	ND	0.0082	0.0037	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0082	0.0049	ug/l	
72-43-5	Methoxychlor [a]	ND UJ	0.016	0.0055	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-175%
877-09-8	Tetrachloro-m-xylene	69%		10-175%
2051-24-3	Decachlorobiphenyl	35%		10-128%
2051-24-3	Decachlorobiphenyl	48%		10-128%

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499306.D	1	03/29/23 03:12	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.41	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.41	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.41	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.41	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.41	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.41	0.34	ug/l	
11096-82-5	Aroclor 1260	ND	0.41	0.12	ug/l	UJ
11100-14-4	Aroclor 1268	ND	0.41	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.41	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		10-169%
877-09-8	Tetrachloro-m-xylene	65%		10-169%
2051-24-3	Decachlorobiphenyl	34%		10-130%
2051-24-3	Decachlorobiphenyl	29%		10-130%

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW06-032223
Lab Sample ID: JD62631-3
Matrix: AQ - Ground Water
Project: Lyndon Road Landfill

Date Sampled: 03/22/23
Date Received: 03/23/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1550	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony [a]	< 30	30	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	10.9	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	507000	25000	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	10600	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead [a]	< 15	15	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	62100	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	436	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/29/23	03/30/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium [a]	< 50	50	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	210000	50000	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53931
(2) Instrument QC Batch: MA53939
(3) Prep QC Batch: MP38701
(4) Prep QC Batch: MP38749

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 11:06	MM	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G1336A.D	1	03/30/23 17:23	KD	n/a	n/a	V1G49
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND UJ	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [a]	ND UJ	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/29/23

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CJ260.D	1	03/30/23 01:49	RS	03/29/23 08:25	OP45462	ECJ19
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND	1.1	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-032223
Lab Sample ID: JD62631-4
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/22/23
Date Received: 03/23/23
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.1	0.53	ug/l	UJ
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.52	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	ND	1.1	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.18	ug/l	
129-00-0	Pyrene	ND	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-71%

ALH 6/29/23

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	28%		10-58%
118-79-6	2,4,6-Tribromophenol	91%		22-144%
4165-60-0	Nitrobenzene-d5	68%		28-118%
321-60-8	2-Fluorobiphenyl	74%		34-116%
1718-51-0	Terphenyl-d14	59%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS1428.D	1	03/30/23 18:51	RS	03/29/23 08:25	OP45462A	ECS78
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.11	0.053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	107%		23-127%
321-60-8	2-Fluorobiphenyl	78%		23-114%
1718-51-0	Terphenyl-d14	51%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4370.D	1	03/31/23 02:45	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	41	28	ug/l	
93-65-2	MCPP [a]	ND UJ	41	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND UJ	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	25%		10-150%
19719-28-9	2,4-DCAA	24%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ALH 6/29/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183850.D	1	03/29/23 00:54	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	UJ
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	UJ
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	UJ
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	UJ
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	UJ
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	UJ
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		10-175%
877-09-8	Tetrachloro-m-xylene	82%		10-175%
2051-24-3	Decachlorobiphenyl	71%		10-128%
2051-24-3	Decachlorobiphenyl	102%		10-128%

ALH 6/29/23

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499307.D	1	03/29/23 03:29	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	UJ
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-169%
877-09-8	Tetrachloro-m-xylene	72%		10-169%
2051-24-3	Decachlorobiphenyl	62%		10-130%
2051-24-3	Decachlorobiphenyl	56%		10-130%

ALH 6/29/23

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-MW07-032223
Lab Sample ID: JD62631-4
Matrix: AQ - Ground Water
Project: Lyndon Road Landfill

Date Sampled: 03/22/23
Date Received: 03/23/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony [a]	< 30	30	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	13.6	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	306000	25000	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	941	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead [a]	< 15	15	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	91700	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	111 J	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/29/23	03/30/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium [a]	< 50	50	ug/l	5	03/29/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	36600	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53931
(2) Instrument QC Batch: MA53939
(3) Prep QC Batch: MP38701
(4) Prep QC Batch: MP38749

(a) Elevated detection limit due to dilution required for high interfering element.

ALH 6/29/23

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010 UJ	0.010	mg/l	1	03/29/23 11:03	MM	EPA 335.4/LACHAT

ALH 6/29/23

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW02-032223		
Lab Sample ID:	JD62631-5	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS1430.D	1	03/30/23 19:29	RS	03/29/23 08:25	OP45462A	ECS78
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.965	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		23-127%
321-60-8	2-Fluorobiphenyl	75%		23-114%
1718-51-0	Terphenyl-d14	29%		10-121%

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW04-032223		
Lab Sample ID:	JD62631-6	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS1431.D	1	03/30/23 19:49	RS	03/29/23 08:25	OP45462A	ECS78
Run #2	4M115361.D	5	04/06/23 23:26	JY	03/29/23 08:25	OP45462A	E4M5378

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	9.13 [a]	0.50	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	121%	91%	23-127%
321-60-8	2-Fluorobiphenyl	96%	86%	23-114%
1718-51-0	Terphenyl-d14	37%	34%	10-121%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW01-032223		
Lab Sample ID:	JD62631-7	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS1432.D	1	03/30/23 20:08	RS	03/29/23 08:25	OP45462A	ECS78
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.265	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	24%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

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(770) 232-5082 (Fax)
www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Water and Ground Water
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD62631
SAMPLING DATE(S):	March 22, 2023
REPORT DATE:	June 5, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
LR-EB032223	JD62631-1	X
LR-MW06-032223	JD62631-3A	X
LR-MW07-032223	JD62631-4A	X
LR-MW07-032223MS	JD62631-4AMS	X
LR-MW07-032223MSD	JD62631-4AMSD	X
LR-MW02-032223	JD62631-5A	X
LR-MW04-032223	JD62631-6A	X
LR-MW01-032223	JD62631-7A	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD62631

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all samples and method types listed on the COC.

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements.

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

All Continuing Calibration Verification criteria were met. Continuing calibration standard CC239 reported percent difference for 8:2 FTS > the 30% limit. All associated sample results are non-detects and are qualified “UJ”.

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Method blank, OP96152-MB, was free from contamination. No qualification was made based on this finding.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued for this SDG.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Equipment blank, LR-EB-01-032223/JD62631-1, was free of contamination. No data were qualified based on equipment blank contamination.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed on sample LR-MW07-032223/JD62631-4A. All MS / MSD criteria were met. No qualification was made based on this finding.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No qualification was made based on LCS precision.

VIII.) Field Duplicates:

There were no field duplicate samples identified in this SDG.

IX.) Extracted Internal Standards (EIS):

The following table lists the samples the EIS criteria outside the 505-150% recovery limits.

Client ID	Lab ID	EIS	Associated Analyte	Qualification
LR-MW06-032223	JD62631-3A	13C2-PFDoA	PFDoA	UJ
		13C2-PFTeDA	PFTeDA	
		D3-MeFOSAA	MeFOSAA	
		D5-EtFOSAA	EtFOSAA	
		D7-MeFOSE	MeFOSE	
		D9-EtFOSE	EtFOSE	
LR-MW02-032223	JD62631-5A	13C4-PFBA	PFBA	J
		13C2-PFTeDA	PFTeDA	UJ
		D9-EtFOSE	EtFOSE	UJ
		13C2-4:2 FTS	4:2 FTS	UJ
		13C2-6:2FTS	6:2 FTS	UJ
LR-MW04-032223	JD62631-6A	13C4-PFBA	PFBA	J
		13C2-PFTeDA	PFTeDA	UJ
		D5-EtFOSA	EtFOSA	UJ
		D9-EtFOSE	EtFOSE	UJ
		13C2-4:2FTS	4:2FTS	UJ
		13C2-6:2FTS	6:2FTS	UJ
		13C2-8:2 FTS	8:2FTS	UJ
LR-MW01-032223	JD62631-7A	13C4-PFBA	PFBA	J
		13C7PFUnA	PFUnA	J
		13C6-PFDA	PFDA	J
		13C2-PFDoA	PFDoA	UJ
		13C2-PFTeDA	PFTeDA	UJ
		13C8-PFOS	PFOS	UJ
		13C8-PFOSA	PFOSA	J
		D3-MeFOSA	MeFOSA	J
		D5-EtFOSA	EtFOSA	UJ
		D7-MeFOSE	MeFOSE	UJ
		D9-EtFOSE	EtFOSE	UJ
		13C2-4:2FTS	4:2FTS	UJ
		13C2-6:2FTS	6:2FTS	UJ
		13C2-8:2 FTS	8:2FTS	UJ

X.) Ion Transitions:

The following ratios of quantifier ion response to qualifier ion response were outside the laboratory

criteria:

Client ID	LAB ID	Analyte	Qualifier
LR-MW06-032223	JD62631-3A	PFHxA PFOA	J
LR-MW02-032223	JD62631-5A	PFHxA PFHpA PFNA PFHxS PFOS	J
LR-MW04-032223	JD62631-6A	PFHxA PFHpA PFNA PFBS PFPeS PFHxS PFOS EtFOSAA	J
LR-MW01-032223	JD62631-7A	PFHxA PFHpA PFNA PFUnA PFBS PFHxS PFDoA MeFOSAA	J

XI.) Reporting limits (RLs):

All reporting limit criteria were met. Several sample results were greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. These qualifiers were confirmed by the validator.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	LAB ID	Analyte	Qualifier
LR-EB032223	JD62631-1	8:2 FTS	UJ
LR-MW06-032223	JD62631-3A		
LR-MW07-032223	JD62631-4A		
LR-MW02-032223	JD62631-5A		
LR-MW04-032223	JD62631-6A		
LR-MW01-032223	JD62631-7A		
LR-MW06-032223	JD62631-3A	PFDoA PFTeDA MeFOSAA EtFOSAA MeFOSE EtFOSE	UJ
LR-MW02-032223	JD62631-5A	PFBA PFTeDA EtFOSE 4:2 FTS 6:2 FTS	J UJ UJ UJ UJ
LR-MW04-032223	JD62631-6A	PFBA PFTeDA EtFOSA EtFOSE 4:2FTS 6:2FTS 8:2FTS	J UJ UJ UJ UJ UJ UJ
LR-MW01-032223	JD62631-7A	PFBA PFUnA PFDA PFDoA PFTeDA PFOS PFOSA MeFOSA EtFOSA MeFOSE EtFOSE 4:2FTS 6:2FTS 8:2FTS	J J J UJ UJ UJ J J UJ UJ UJ UJ UJ UJ
LR-MW06-032223	JD62631-3A	PFHxA PFOA	J
LR-MW02-032223	JD62631-5A	PFHxA PFHpA PFNA PFHxS PFOS	J

Client ID	LAB ID	Analyte	Qualifier
LR-MW04-032223	JD62631-6A	PFHxA PFHpA PFNA PFBS PFPeS PFHxS PFOS EtFOSAA	J
LR-MW01-032223	JD62631-7A	PFHxA PFHpA PFNA PFUnA PFBS PFHxS PFDoA MeFOSAA	J

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-EB-032223		
Lab Sample ID:	JD62631-1	**Date Sampled:**	03/22/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16067.D	1	04/05/23 04:28	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	535 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0075	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0037	0.00093	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0019	0.00047	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0019	0.00047	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0019	0.00047	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00057	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00047	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00079	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00047	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0019	0.00093	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0075	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0075	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0075	0.0038	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/523

Report of Analysis

Client Sample ID:	LR-EB-032223		
Lab Sample ID:	JD62631-1	**Date Sampled:**	03/22/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0075	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0075	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0075	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0075	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0047	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.047	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.047	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	98%		20-150%
	13C5-PFPeA	106%		20-150%
	13C5-PFHxA	103%		20-150%
	13C4-PFHpA	101%		20-150%
	13C8-PFOA	95%		20-150%
	13C9-PFNA	103%		20-150%
	13C6-PFDA	97%		20-150%
	13C7-PFUnDA	90%		20-150%
	13C2-PFDoDA	74%		20-150%
	13C2-PFTeDA	57%		20-150%
	13C3-PFBS	91%		20-150%
	13C3-PFHxS	93%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-032223		
Lab Sample ID:	JD62631-1	**Date Sampled:**	03/22/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	98%		20-150%
	13C8-FOSA	75%		20-150%
	d3-MeFOSA	56%		20-150%
	d5-EtFOSA	52%		20-150%
	d3-MeFOSAA	85%		20-150%
	d5-EtFOSAA	82%		20-150%
	d7-MeFOSE	63%		20-150%
	d9-EtFOSE	59%		20-150%
	13C2-4:2FTS	103%		20-150%
	13C2-6:2FTS	108%		20-150%
	13C2-8:2FTS	97%		20-150%
	13C3-HFPO-DA	100%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16068.D	1	04/05/23 04:42	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	460 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.107	0.0087	0.0043	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0043	0.0011	ug/l	
307-24-4	Perfluorohexanoic acid	0.0010	0.0022	0.00054	ug/l	J J
375-85-9	Perfluoroheptanoic acid	ND	0.0022	0.00054	ug/l	
335-67-1	Perfluorooctanoic acid	0.0034	0.0022	0.00054	ug/l	J
375-95-1	Perfluorononanoic acid	ND	0.0022	0.00066	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0022	0.00054	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0022	0.00065	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0022	0.00065	ug/l	UJ
72629-94-8	Perfluorotridecanoic acid	ND	0.0022	0.00091	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0022	0.00054	ug/l	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0022	0.0011	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0022	0.0012	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0022	0.0011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0022	0.0011	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0022	0.0022	0.0011	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0022	0.0011	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0022	0.0011	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0022	0.0012	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0087	0.0045	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0022	0.0011	ug/l	
31506-32-8	MeFOSA	ND	0.0022	0.0011	ug/l	
4151-50-2	EtFOSA	ND	0.0022	0.0011	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0022	0.0011	ug/l	UJ
2991-50-6	EtFOSAA	ND	0.0022	0.0014	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.022	0.011	ug/l	UJ
1691-99-2	EtFOSE	ND	0.022	0.011	ug/l	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0087	0.0022	ug/l	
919005-14-4	ADONA	ND	0.0087	0.0022	ug/l	
377-73-1	PFMPA	ND	0.0043	0.0011	ug/l	
863090-89-5	PFMBA	ND	0.0043	0.0012	ug/l	
151772-58-6	NFDHA	ND	0.0043	0.0013	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0087	0.0022	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0087	0.0022	ug/l	
113507-82-7	PFEESA	ND	0.0043	0.0011	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.011	0.0054	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.054	0.011	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.054	0.011	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	62%		20-150%
	13C5-PFPeA	101%		20-150%
	13C5-PFHxA	99%		20-150%
	13C4-PFHpA	97%		20-150%
	13C8-PFOA	90%		20-150%
	13C9-PFNA	83%		20-150%
	13C6-PFDA	76%		20-150%
	13C7-PFUnDA	61%		20-150%
	13C2-PFDoDA	44%		20-150%
	13C2-PFTeDA	41%		20-150%
	13C3-PFBS	93%		20-150%
	13C3-PFHxS	87%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-MW06-032223		
Lab Sample ID:	JD62631-3A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	79%		20-150%
	13C8-FOSA	69%		20-150%
	d3-MeFOSA	40%		20-150%
	d5-EtFOSA	38%		20-150%
	d3-MeFOSAA	57%		20-150%
	d5-EtFOSAA	53%		20-150%
	d7-MeFOSE	45%		20-150%
	d9-EtFOSE	44%		20-150%
	13C2-4:2FTS	94%		20-150%
	13C2-6:2FTS	98%		20-150%
	13C2-8:2FTS	64%		20-150%
	13C3-HFPO-DA	93%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16073.D	1	04/05/23 05:52	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2							

	Initial Volume	Final Volume
Run #1	505 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0079	0.0040	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0040	0.00099	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0020	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0020	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0020	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00060	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00059	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00059	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00083	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00050	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0020	0.00099	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0020	0.00099	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.00099	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0020	0.00099	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.00099	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.00099	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0079	0.0040	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0079	0.0040	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate [b]	ND	0.0079	0.0041	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0020	0.00099	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.00099	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.00099	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0020	0.00099	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.0099	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.0099	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0079	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0079	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0040	0.00099	ug/l	
863090-89-5	PFMBA	ND	0.0040	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0040	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0079	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0079	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0040	0.00099	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0099	0.0050	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.050	0.0099	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.050	0.0099	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	92%		20-150%
	13C5-PFPeA	109%		20-150%
	13C5-PFHxA	104%		20-150%
	13C4-PFHpA	97%		20-150%
	13C8-PFOA	97%		20-150%
	13C9-PFNA	94%		20-150%
	13C6-PFDA	85%		20-150%
	13C7-PFUnDA	81%		20-150%
	13C2-PFDoDA	70%		20-150%
	13C2-PFTeDA	75%		20-150%
	13C3-PFBS	94%		20-150%
	13C3-PFHxS	98%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW07-032223		
Lab Sample ID:	JD62631-4A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	80%		20-150%
	13C8-FOSA	78%		20-150%
	d3-MeFOSA	64%		20-150%
	d5-EtFOSA	62%		20-150%
	d3-MeFOSAA	76%		20-150%
	d5-EtFOSAA	69%		20-150%
	d7-MeFOSE	63%		20-150%
	d9-EtFOSE	64%		20-150%
	13C2-4:2FTS	109%		20-150%
	13C2-6:2FTS	114%		20-150%
	13C2-8:2FTS	90%		20-150%
	13C3-HFPO-DA	103%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW02-032223		
Lab Sample ID:	JD62631-5A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16069.D	1	04/05/23 04:56	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2 [a]	6Q16115.D	10	04/05/23 16:17	AFL	03/31/23 09:58	F:OP96192	F:S6Q240

	Initial Volume	Final Volume
Run #1	495 ml	5.0 ml
Run #2	495 ml	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.912 [b]	0.081	0.040	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.154	0.0040	0.0010	ug/l	
307-24-4	Perfluorohexanoic acid	0.308	0.0020	0.00051	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.275	0.0020	0.00051	ug/l	J
335-67-1	Perfluorooctanoic acid	5.47 [b]	0.020	0.0051	ug/l	
375-95-1	Perfluorononanoic acid	0.0079	0.0020	0.00062	ug/l	J
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00051	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00061	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00061	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00085	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00051	ug/l	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0490	0.0020	0.0010	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	0.0441	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0738	0.0020	0.0010	ug/l	J
375-92-8	Perfluoroheptanesulfonic acid	0.0071	0.0020	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0367	0.0020	0.0010	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.0010	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.0010	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0012	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND [b]	0.081	0.040	ug/l	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND [b]	0.081	0.040	ug/l	UJ
39108-34-4	8:2 Fluorotelomer sulfonate	ND [b]	0.081	0.042	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0020	0.0010	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.0010	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-MW02-032223		
Lab Sample ID:	JD62631-5A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0020	0.0010	ug/l	
2991-50-6	EtFOSAA	0.0042	0.0020	0.0013	ug/l	J
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.010	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.010	ug/l	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0081	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0081	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0040	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0040	0.0012	ug/l	
151772-58-6	NFDHA	ND	0.0040	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0081	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0081	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0040	0.0010	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.010	0.0051	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	0.0537	0.051	0.010	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [c]	ND	0.051	0.010	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	19% [d]	22%	20-150%
	13C5-PFPeA	60%	71%	20-150%
	13C5-PFHxA	98%	87%	20-150%
	13C4-PFHpA	112%	88%	20-150%
	13C8-PFOA	102%	97%	20-150%
	13C9-PFNA	101%	93%	20-150%
	13C6-PFDA	96%	98%	20-150%
	13C7-PFUnDA	93%	99%	20-150%
	13C2-PFDoDA	65%	59%	20-150%
	13C2-PFTeDA	43%	49%	20-150%
	13C3-PFBS	102%	105%	20-150%
	13C3-PFHxS	107%	86%	20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-MW02-032223		
Lab Sample ID:	JD62631-5A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	101%	78%	20-150%
	13C8-FOSA	106%	90%	20-150%
	d3-MeFOSA	63%	55%	20-150%
	d5-EtFOSA	54%	61%	20-150%
	d3-MeFOSAA	136%	90%	20-150%
	d5-EtFOSAA	135%	87%	20-150%
	d7-MeFOSE	63%	55%	20-150%
	d9-EtFOSE	56%	49%	20-150%
	13C2-4:2FTS	173% [d]	106%	20-150%
	13C2-6:2FTS	221% [d]	127%	20-150%
	13C2-8:2FTS	173% [d]	57%	20-150%
	13C3-HFPO-DA	70%	90%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Result is from Run# 2
(c) Associated Low Level CCV outside of control limits high, sample was ND.
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW04-032223		
Lab Sample ID:	JD62631-6A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16070.D	1	04/05/23 05:10	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2 [a]	6Q16116.D	5	04/05/23 16:31	AFL	03/31/23 09:58	F:OP96192	F:S6Q240

	Initial Volume	Final Volume
Run #1	508 ml	5.0 ml
Run #2	508 ml	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.453	0.0079	0.0039	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0646	0.0039	0.00098	ug/l	
307-24-4	Perfluorohexanoic acid	0.0712	0.0020	0.00049	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.0606	0.0020	0.00049	ug/l	J
335-67-1	Perfluorooctanoic acid	1.07 [b]	0.0098	0.0025	ug/l	
375-95-1	Perfluorononanoic acid	0.0022	0.0020	0.00060	ug/l	J
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00049	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00059	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00059	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00083	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00049	ug/l	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0155	0.0020	0.00098	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	0.0170	0.0020	0.0011	ug/l	J
355-46-4	Perfluorohexanesulfonic acid	0.0297	0.0020	0.00098	ug/l	J
375-92-8	Perfluoroheptanesulfonic acid	0.0033	0.0020	0.00098	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0378	0.0020	0.00098	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.00098	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.00098	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND [b]	0.039	0.020	ug/l	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND [b]	0.039	0.020	ug/l	UJ
39108-34-4	8:2 Fluorotelomer sulfonate [c]	ND	0.0079	0.0040	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0020	0.00098	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.00098	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.00098	ug/l	UJ

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-MW04-032223		
Lab Sample ID:	JD62631-6A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0020	0.00098	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.0098	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.0098	ug/l	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0079	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0079	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0039	0.00098	ug/l	
863090-89-5	PFMBA	ND	0.0039	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0039	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0079	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0079	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0039	0.00098	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0098	0.0049	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.049	0.0098	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [c]	ND	0.049	0.0098	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	29%	30%	20-150%
	13C5-PFPeA	73%	91%	20-150%
	13C5-PFHxA	96%	95%	20-150%
	13C4-PFHpA	107%	96%	20-150%
	13C8-PFOA	98%	98%	20-150%
	13C9-PFNA	106%	106%	20-150%
	13C6-PFDA	99%	93%	20-150%
	13C7-PFUnDA	91%	81%	20-150%
	13C2-PFDoDA	66%	58%	20-150%
	13C2-PFTeDA	46%	42%	20-150%
	13C3-PFBS	99%	93%	20-150%
	13C3-PFHxS	93%	90%	20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-MW04-032223		
Lab Sample ID:	JD62631-6A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	90%	77%	20-150%
	13C8-FOSA	81%	79%	20-150%
	d3-MeFOSA	51%	51%	20-150%
	d5-EtFOSA	41%	47%	20-150%
	d3-MeFOSAA	94%	96%	20-150%
	d5-EtFOSAA	99%	82%	20-150%
	d7-MeFOSE	51%	53%	20-150%
	d9-EtFOSE	42%	46%	20-150%
	13C2-4:2FTS	191% [d]	89%	20-150%
	13C2-6:2FTS	189% [d]	96%	20-150%
	13C2-8:2FTS	123%	54%	20-150%
	13C3-HFPO-DA	75%	83%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Result is from Run# 2
(c) Associated Low Level CCV outside of control limits high, sample was ND.
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-MW01-032223		
Lab Sample ID:	JD62631-7A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16076.D	1	04/05/23 06:34	AFL	03/31/23 09:58	F:OP96192	F:S6Q239
Run #2 [a]	6Q16117.D	10	04/05/23 16:45	AFL	03/31/23 09:58	F:OP96192	F:S6Q240

	Initial Volume	Final Volume
Run #1	507 ml	5.0 ml
Run #2	507 ml	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.272	0.0079	0.0039	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0841	0.0039	0.00099	ug/l	
307-24-4	Perfluorohexanoic acid	0.130	0.0020	0.00049	ug/l	
375-85-9	Perfluoroheptanoic acid	0.174	0.0020	0.00049	ug/l	
335-67-1	Perfluorooctanoic acid	4.10 [b]	0.020	0.0049	ug/l	
375-95-1	Perfluorononanoic acid	0.0248	0.0020	0.00060	ug/l	
335-76-2	Perfluorodecanoic acid	0.0030	0.0020	0.00049	ug/l	J
2058-94-8	Perfluoroundecanoic acid	0.0024	0.0020	0.00059	ug/l	J
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00059	ug/l	UJ
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00083	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00049	ug/l	UJ
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0530	0.0020	0.00099	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	0.0661	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.183	0.0020	0.00099	ug/l	J
375-92-8	Perfluoroheptanesulfonic acid	0.0411	0.0020	0.00099	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.847 [b]	0.020	0.0099	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.00099	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.00099	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND [b]	0.079	0.039	ug/l	UJ
27619-97-2	6:2 Fluorotelomer sulfonate	ND [b]	0.079	0.039	ug/l	UJ
39108-34-4	8:2 Fluorotelomer sulfonate [c]	ND	0.0079	0.0041	ug/l	UJ
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	0.0018	0.0020	0.00099	ug/l	J J
31506-32-8	MeFOSA	ND	0.0020	0.00099	ug/l	UJ
4151-50-2	EtFOSA	ND	0.0020	0.00099	ug/l	UJ

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-MW01-032223		
Lab Sample ID:	JD62631-7A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	0.0070	0.0020	0.00099	ug/l	J
2991-50-6	EtFOSAA	0.0590	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.0099	ug/l	UJ
1691-99-2	EtFOSE	ND	0.020	0.0099	ug/l	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0079	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0079	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0039	0.00099	ug/l	
863090-89-5	PFMBA	ND	0.0039	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0039	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0079	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0079	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0039	0.00099	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0099	0.0049	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.049	0.0099	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [c]	ND	0.049	0.0099	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits	
	13C4-PFBA	52%	45%	20-150%	
	13C5-PFPeA	74%	83%	20-150%	
	13C5-PFHxA	106%	86%	20-150%	
	13C4-PFHpA	107%	81%	20-150%	
	13C8-PFOA	91%	84%	20-150%	U
	13C9-PFNA	78%	62%	20-150%	UJ
	13C6-PFDA	53%	39%	20-150%	
	13C7-PFUnDA	45%	42%	20-150%	
	13C2-PFDoDA	49%	40%	20-150%	
	13C2-PFTeDA	50%	49%	20-150%	
	13C3-PFBS	84%	110%	20-150%	
	13C3-PFHxS	71%	72%	20-150%	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CWL 6/5/23

Report of Analysis

Client Sample ID:	LR-MW01-032223		
Lab Sample ID:	JD62631-7A	**Date Sampled:**	03/22/23
Matrix:	AQ - Ground Water	**Date Received:**	03/23/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	56%	39%	20-150%
	13C8-FOSA	63%	45%	20-150%
	d3-MeFOSA	44%	41%	20-150%
	d5-EtFOSA	40%	32%	20-150%
	d3-MeFOSAA	87%	51%	20-150%
	d5-EtFOSAA	96%	50%	20-150%
	d7-MeFOSE	53%	41%	20-150%
	d9-EtFOSE	46%	40%	20-150%
	13C2-4:2FTS	187% [d]	93%	20-150%
	13C2-6:2FTS	172% [d]	94%	20-150%
	13C2-8:2FTS	94%	49%	20-150%
	13C3-HFPO-DA	76%	80%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Result is from Run# 2
(c) Associated Low Level CCV outside of control limits high, sample was ND.
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ramboll
SITE NAME:	Lyndon Rd. Landfill
CONTRACTED LAB:	SGS Dayton, NJ
QA/QC LEVEL:	DUSR
EPA SOW/METHODS:	SW-846 Methods
VALIDATION GUIDELINES:	*USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS_SOP_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1)*; Professional Judgment
SAMPLE MATRIX:	Water
TYPE OF ANALYSIS:	Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), 1,4-dioxane, Herbicides, Pesticides, Polychlorinated Biphenyls (PCB), Metals, Mercury, Cyanide, Total Organic Carbon (TOC)
SDG NUMBER:	JD62642
SAMPLING DATES:	March 23, 2023

SAMPLES:

Client Sample #	Lab Sample #	VOC	SVOC
LR-TB-032323	JD62642-1	X	
LR-SW1-032323	JD62642-3	X	X
LR-SED1-032323	JD62642-4	X	X
LR-SW3-032323	JD62642-7	X	X
LR-SW3-032323MS	JD62642-7MS	X	X
LR-SW3-032323MSD	JD62642-7MSD	X	X
LR-SED3-032323	JD62642-10	X	X
LR-SED3-032323MS	JD62642-10MS	X	X
LR-SED3-032323MSD	JD62642-10MSD	X	X

Client Sample #	Lab Sample #	1,4-Dioxane	HERB
LR-SW1-032323	JD62642-3	X	X
LR-SED1-032323	JD62642-4		X
LR-SW2-032323	JD62642-5	X	
LR-SED2-032323	JD62642-6	X	
LR-SW3-032323	JD62642-7	X	X
LR-SW3-032323MS	JD62642-7MS	X	X
LR-SW3-032323MSD	JD62642-7MSD	X	X
LR-SW4-032323	JD62642-8	X	
LR-SED4-032323	JD62642-9	X	
LR-SED3-032323	JD62642-10	X	X
LR-SED3-032323MS	JD62642-10MS		X
LR-SED3-032323MSD	JD62642-10MSD	X	X

Client Sample #	Lab Sample #	PEST	PCB
LR-SW1-032323	JD62642-3	X	X
LR-SED1-032323	JD62642-4	X	X
LR-SW3-032323	JD62642-7	X	X
LR-SW3-032323MS	JD62642-7MS	X	X
LR-SW3-032323MSD	JD62642-7MSD	X	X
LR-SED3-032323	JD62642-10	X	X
LR-SED3-032323MS	JD62642-10MS	X	X
LR-SED3-032323MSD	JD62642-10MSD	X	X

Client Sample #	Lab Sample #	Met/Hg	CN
LR-SW1-032323	JD62642-3	X	X
LR-SW1-032323RE	JD62643-3RE	X	
LR-SED1-032323	JD62642-4	X	X
LR-SW3-032323	JD62642-7	X	X
LR-SW3-032323MS	JD62642-7MS	X	X
LR-SW3-032323MSD	JD62642-7MSD	X	X
LR-SED3-032323	JD62642-10	X	X
LR-SED3-032323MS	JD62642-10MS	X	X
LR-SED3-032323MSD	JD62642-10MSD	X	X

Client Sample #	Lab Sample #	TOC
LR-SED1-032323	JD62642-4	X
LR-SED2-032323	JD62642-6	X
LR-SED3-032323	JD62642-10	X

Suffix Codes: DL = DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Amy L. Hogan, Sandra Nacquin

DATA VALIDATION SUMMARY

SGS Dayton, New Jersey – JD62642 - Organics

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per SW846 Method 8260D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

The Percent Difference (%D) for the standards run on 1/21/23 at 23:34 on instrument GCMSI was 34.9% for acetone, which exceeded the 30% QC limit. The acetone results for samples LR-SED1-032323 and LR-SED3-032323 were qualified as estimated (J) and (UJ).

Continuing Calibration:

The Percent Differences (%D) for the standards run on 4/3/23 at 11:55 on instrument GCMSI exceeded the 20% QC limit for the following compounds:

Vinyl chloride	-21.9%
Cis-1,3-dichloropropene	-20.6%
4-methyl-2-pentanone	-21.7%
2-hexanone	-26.0%
o-xylene	-21.2%
styrene	-23.2%
isopropyl benzene	-20.4%

The results for this compound in the soil SDG samples were qualified as estimated (J) and (UJ).

It was noted by the validator that the lab did not analyze a closing calibration standard. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Trip Blank:

There were no detections reported in the associated trip blank for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. Two Percent Recoveries (%Rs) exceeded the QC limits. Since the results for the compounds in the associated samples were non-detect, no data qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analysis was performed using samples LR-SW3-032323 and LR-SED3-032323. All criteria were met. No data qualification was necessary.

X.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOC)

SUMMARY

I.) General:

The analyses for Semivolatile Organics and for 1,4-dioxane as a Semivolatile Organic Compound (SVOC) were performed per SW-846 Method 8270E.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/29/23 at 09:00 On instrument GCMSF exceeded the 20% QC limit for the following compounds:

2-nitrophenol	-43.1%
Hexachlorobutadiene	-20.8%
4-chloro-3-methylphenol	-21.2%
2-nitroaniline	-27.0%
2,6-dinitrotoluene	-23.3%
2,4-dinitrophenol	-51.3%
2,4-dinitrotoluene	-23.8%
2,3,4,6-tetrachlorophenol	-26.1%
4-nitroaniline	-25.3%
4,6-dinitro-2-methylphenol	-45.5%
2,4,6-tribromophenol	-32.6%
3,3-dichlorobenzidine	-20.0%
Benzo(a)pyrene	-22.7%
Dibenzo(a,h) anthracene	-29.6%
Benzo(g,h,i) perylene	-20.1%
Atrazine	-34.2%

The positive and non-detect results for these compounds in the water SDG samples were qualified as estimated (J) and (UJ).

The Percent Differences (%Ds) for the standards run on 3/30/23 at 08:37 on instrument GCMSZ exceeded the 20% QC limit for the following compounds:

Hexachlorobutadiene	-21.6%
Hexachlorocyclopentadiene	43.3%
4-nitroaniline	21.7%

The results for these compounds in associated sample LR-SED3-032323, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 4/19/23 at 22:35 on instrument GCMSCT exceeded the 20% QC limit for the following compounds:

2,4-dinitrotoluene	-24.8%
di-n-octyl phthalate	-22.0%
atrazine	-24.7%
caprolactam	-32.3%

The results for these compounds in associated sample LR-SED1-032323, which were all non-detect, were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

There were no detections reported in the associated method blank. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

Three LCS and one LCS / LCSD set were analyzed by the laboratory for this fraction of the SDG. The Percent Recoveries (%Rs) for the LCS of the full set were below the QC limits for the following compounds:

2,4,5-trichlorophenol	34%
2,4,6-trichlorophenol	33%
Acenaphthene	30%
Acetophenone	29%
Anthracene	32%
Atrazine	41%
Benzaldehyde	30%
Benzo(a) anthracene	35%

Benzo(a) pyrene	36%
Benzo(b)fluoranthene	34%
Benzo(g,h,i) perylene	37%
Benzo(k) fluoranthene	32%
4-bromophenyl phenyl ether	36%
Butyl benzyl phthalate	33%
1,1-biphenyl	29%
2-chloronaphthalene	29%
Carbazole	33%
Chrysene	33%
Bis(2-chloroethoxy) methane	30%
Bis(2-chloroethyl) ether	28%
2,2-oxybis (1-chloropropane)	29%
4-chlorophenyl phenyl ether	34%
2,4-dinitrotolene	42%
2,6-dinitrotoluene	41%
Dibenzo(a,h) anthracene	40%
dibenzofuran	31%
di-n-butyl phthalate	33%
di-n-octyl phthalate	33%
diethyl phthalate	33%
dimethyl phthalate	31%
bis(2-ethylhexyl) phthalate	34%
fluoranthene	34%
fluorene	32%
hexachlorobenzene	33%
indeno(1,2,3-cd) pyrene	41%
isophorone	31%
2-methylnaphthalene	30%
2-nitroaniline	36%
4-nitroaniline	35%
Naphthalene	28%
Nitrobenzene	32%
n-nitroso-di-n-propylamine	30%
n-nitrosodiphenylamine	32%
phenanthrene	30%
pyrene	29%
1,2,4,5-tetrachlorobenzene	29%

All positive and non-detect results for the compounds in the water SDG samples were qualified as estimated (J) and (UJ). A total of 64 Relative Percent Differences (RPDs) were all outside the QC limits. Data qualification based on LCS / LCSD RPD criteria was not required.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS/ MSD analyses were performed using samples LR-SW3-032323 (full and 1,4-dioxane only) and LR-SED3-032323 (full only). One Percent Recovery was below the QC limits. Data qualification based on MS / MSD criteria alone was not required.

VIII.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

HERBICIDES

SUMMARY

I.) General:

The analyses for Herbicides were performed per SW846 Method 8151A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 3/30/23 at 21:06 on instrument GC9G was 39.6% for MCPP, which exceeded the 20% QC limit. The non-detect results for this compound in the water SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) the for the standards run on 3/31/23 at 01:18 on instrument GC9G exceeded the 20% QC limit for the following compounds:

MCPP	-29.5%/-67.9%
MCPA	-20.4%/-691.2%
2,4-D	25.9%
2,4-DB	26.0%
Dinoseb	-23.7%

The results for these compounds in the water SDG samples, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/30/23 at 19:13 on instrument GCOA exceeded the 20% QC limit for the following compounds:

2,4,5-TP	26.7%
2,4,5-T	36.1%
Dinoseb	29.2%

The results for these compounds in the soil SDG samples, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/31/23 at 00:16 on instrument GCOA exceeded the 20% QC limit for the following compounds:

MCPA	-25.8%
2,4-DB	27.7%
Dinoseb	21.2%

The results for these compounds in the soil SDG samples, which were all non-detect, were qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections reported in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

Two LCS were analyzed for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using samples LR-SW3-032323 and LR-SED3-032323. A total of ten Percent Recoveries (%Rs) and five Relative Percent Difference (RPD) were outside the QC limits. Data qualification based on MS / MSD criteria alone was not required. No data qualification was necessary.

VII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

PESTICIDES

SUMMARY

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/28/23 at 19:29 on instrument GC1G exceeded the 20% QC limit for the following compounds:

Delta BHC	-22.9%
Endrin ketone	-27.3%

The non-detect results for these compounds in associated sample LR-SW1-032323 were qualified

as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 01:59 on instrument GC1G exceeded the 20% QC limit for the following compounds:

Endosulfan I	-22.2%
4,4'-DDE	35.6%
Methoxychlor	30.3%
Endrin aldehyde	-20.5%
Endrin ketone	-29.5%

The non-detect results for these compounds in associated sample LR-SW1-032323 were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/30/23 at 04:47 on instrument GC1G exceeded the 20% QC limit for the following compounds:

4,4'-DDT	22.5%
Methoxychlor	24.8%

The non-detect results for these compounds in the soil SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 09:34 on instrument GC6G exceeded the 20% QC limit for the following compounds:

Delta BHC	-24.5%/21.3%
Endosulfan I	-30.8%
4,4'-DDE	33.8%
Methoxychlor	51.9%

The non-detect results for these compounds in associated sample LR-SW3-032323 were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 19:40 on instrument GC9G exceeded the 20% QC limit for the following compounds:

Beta BHC	23.8%
Methoxychlor	42.4%

The non-detect results for these compounds in associated sample LR-SW3-032323 were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

4,4'-DDT (0.76 ug/kg) was reported in the soil method blank. Since the associated sample results were greater than the RL and the blank concentration, no data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

Two LCS and one LCS / LCSD set were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using samples LR-SW3-032323 and LR-SED3-032323. All criteria were met. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

POLYCHLORINATED BIPHENYLS (PCB)

SUMMARY

I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/29/23 at 01:46 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-37.2%
Aroclor 1260 (C)	-21.5%
Aroclor 1260 (D)	-21.4%

The non-detect Aroclor 1260 results for associated sample LR-SW1-032323 was qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 04:55 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-40.7%
Aroclor 1260 (C)	-22.0%
Aroclor 1260 (D)	-23.9%

The non-detect Aroclor 1260 results for associated sample LR-SW1-032323 was qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 11:14 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-37.5%
Aroclor 1260 (D)	-30.5%

The non-detect Aroclor 1260 results for associated sample LR-SW3-032323 was qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 14:06 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-32.4%
Aroclor 1260 (C)	-21.2%
Aroclor 1260 (D)	-24.1%

The non-detect Aroclor 1260 results for associated sample LR-SW3-032323 was qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/30/23 at 94:16 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-33.6%
Aroclor 1260 (D)	-23.3%

The non-detect Aroclor 1260 results for the soil SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/30/23 at 12:52 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1016 (A)	-23.6%
Aroclor 1260 (B)	-33.8%
Aroclor 1260 (D)	-22.4%

The non-detect Aroclor 1016 and 1260 results for the soil SDG samples were qualified as

estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

Two LCS and one LCS / LCSD set were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG samples LR-SW3-032323 and LR-SED3-032323. All criteria were met. No data qualification was necessary.

VII.) Field Duplicates:

There were no field duplicate samples identified as part of this SDG. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IXI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL METALS

SUMMARY

I.) General:

The analyses for Total Metals were performed per SW846 Method 6010D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL criteria were met. No data qualification was necessary.

IV.) Blanks:

Calibration Blanks:

There were no detections reported in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections reported in the associated preparation blank. No data qualification was necessary.

V.) Interference Check Sample (ICS) Results:

All ICS criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using SDG samples LR-SW3-032323 and LR-SED3-032323. All criteria were met for LR-SW3-032323. The parent sample result for calcium in LR-

SED3-032323 was greater than 4X the spike concentration, so the results for this analyte in the set were not considered meaningful. The Percent Recoveries (%Rs) were outside the QC limits in LR-SED3-032323 MS/MSD for the following analytes:

Analyte	MS, %R	MSD, %R
Aluminum	158.1%	163.8%
Antimony	69.5%	72.9%
Magnesium	302.7%	
Manganese	67.3%	62.6%

The post spike results for antimony were within the QC limits. Post spike analysis was not submitted for manganese. The matrix spike analysis for aluminum and magnesium is not required for soil samples, the results for these analytes were not qualified. The non-detect antimony result for the parent sample was qualified as estimated (UJ) and the positive manganese result was qualified as estimated biased low (J-).

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VIII.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using samples LR-SW3-032323 and LR-SED3-032323. All criteria were met. No data qualification was necessary.

IX.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The results for several analytes for sample LR-SW1-032323 were reported from a dilution analysis due to either interference or the initial analysis result for the analyte exceeding the linear calibration range. Since the Form I for each sample is a composite of the results, no data qualification was necessary.

TOTAL MERCURY

SUMMARY

I.) General:

The analyses for Total Mercury were performed per SW846 Method 7471A.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

IV.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There weas no detection reported in the associated preparation blank. No data qualification was necessary.

V.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using sample LR-SW3-032323 and LR-SED3-032323. All criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VII.) Serial Dilution Analysis:

Serial Dilution Analysis was not required for this fraction of the SDG. No data qualification was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples identified for this SDG. There were no calculable results. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL CYANIDE

SUMMARY

I.) General:

The analyses for Total Cyanide were performed per SW846 Method 9012B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

MS / MD analyses were performed using samples LR-SW3-032323 and LR-SED3-032323. The Percent Recovery (%R) of 43% for LR-SW3-032323MS was below the QC limits. The non-detect result for the parent sample was qualified as estimated (UJ).

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL ORGANIC CARBON (TOC)

SUMMARY

I.) General:

The analyses for Total Organic Carbon (TOC) were performed per Lloyd Kahn 1988 Modified.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

Batch MS / MD analyses data were submitted for this fraction of the SDG. All criteria were met.

No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

There were no field duplicate samples identified for this SDG. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

Appendix A
Qualified Form Is

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TB-032323		
Lab Sample ID:	JD62642-1	**Date Sampled:**	03/23/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209712.D	1	04/02/23 19:43	TS	n/a	n/a	V2D9133
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TB-032323		
Lab Sample ID:	JD62642-1	**Date Sampled:**	03/23/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	47	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209714.D	1	04/02/23 20:42	TS	n/a	n/a	V2D9133
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	107%		80-120%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	360	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F213401.D	1	03/29/23 19:27	KH	03/28/23 19:55	OP45493	EF9418
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol [a]	ND UJ	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND UJ	5.0	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND UJ	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.88	ug/l	
	3&4-Methylphenol	ND	2.0	0.87	ug/l	
88-75-5	2-Nitrophenol [a]	ND UJ	5.0	0.95	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND UJ	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND UJ	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine [a]	ND	2.0	0.44	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene [a]	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene [a]	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.45	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.23	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND UJ	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	UJ
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.36	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.0	0.47	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.0	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.65	ug/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND	1.0	0.33	ug/l	UJ
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.49	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.32	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	UJ
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline [a]	ND	5.0	0.44	ug/l	UJ
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.17	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		10-71%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	19%		10-58%
118-79-6	2,4,6-Tribromophenol	89%		22-144%
4165-60-0	Nitrobenzene-d5	76%		28-118%
321-60-8	2-Fluorobiphenyl	70%		34-116%
1718-51-0	Terphenyl-d14	45%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115176.D	1	03/31/23 14:22	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		23-127%
321-60-8	2-Fluorobiphenyl	69%		23-114%
1718-51-0	Terphenyl-d14	38%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4371.D	1	03/31/23 03:06	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	41	28	ug/l	
93-65-2	MCPP [a]	NDUJ	41	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND UJ	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	38%		10-150%
19719-28-9	2,4-DCAA	49%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183851.D	1	03/29/23 01:11	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND UJ	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND UJ	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	NDUJ	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND UJ	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND UJ	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	NDUJ	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-175%
877-09-8	Tetrachloro-m-xylene	82%		10-175%
2051-24-3	Decachlorobiphenyl	64%		10-128%
2051-24-3	Decachlorobiphenyl	92%		10-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499308.D	1	03/29/23 03:47	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	UJ
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		10-169%
877-09-8	Tetrachloro-m-xylene	73%		10-169%
2051-24-3	Decachlorobiphenyl	58%		10-130%
2051-24-3	Decachlorobiphenyl	51%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW1-032323
Lab Sample ID: JD62642-3
Matrix: AQ - Surface Water
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	78500	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Iron	387	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Magnesium	26300	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	59.9	15	ug/l	1	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Sodium	63500	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53938
(3) Instrument QC Batch: MA53941
(4) Prep QC Batch: MP38704
(5) Prep QC Batch: MP38772

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:44	MM	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I249268.D	1	04/03/23 17:23	CL	n/a	n/a	VI10122
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0354 J	0.027	0.011	mg/kg	
71-43-2	Benzene	ND	0.0014	0.0012	mg/kg	
74-97-5	Bromochloromethane	ND	0.014	0.0015	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0054	0.0012	mg/kg	
75-25-2	Bromoform	ND	0.014	0.0037	mg/kg	
74-83-9	Bromomethane	ND	0.014	0.0021	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.027	0.0066	mg/kg	
75-15-0	Carbon disulfide	ND	0.0054	0.0015	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0054	0.0017	mg/kg	
108-90-7	Chlorobenzene	ND	0.0054	0.0012	mg/kg	
75-00-3	Chloroethane	ND	0.014	0.0016	mg/kg	
67-66-3	Chloroform	ND	0.0054	0.0014	mg/kg	
74-87-3	Chloromethane	ND	0.014	0.0053	mg/kg	
110-82-7	Cyclohexane	ND	0.0054	0.0018	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0054	0.0019	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0054	0.0015	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0027	0.0011	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0027	0.0015	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0027	0.0013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0027	0.0013	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.014	0.0020	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0027	0.0013	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0027	0.0013	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0027	0.0018	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0027	0.0023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0027	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0054	0.0013	mg/kg	
10061-01-5	cis-1,3-Dichloropropene [a]	ND UJ	0.0054	0.0013	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0054	0.0012	mg/kg	
100-41-4	Ethylbenzene	ND	0.0027	0.0012	mg/kg	
76-13-1	Freon 113	ND	0.014	0.0072	mg/kg	
591-78-6	2-Hexanone [a]	ND UJ	0.014	0.0057	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND UJ	0.0054	0.0039	mg/kg	
79-20-9	Methyl Acetate	ND	0.014	0.0038	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0054	0.0024	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0027	0.0013	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND UJ	0.014	0.0062	mg/kg	
75-09-2	Methylene chloride	ND	0.014	0.0071	mg/kg	
100-42-5	Styrene [b]	ND UJ	0.0054	0.0011	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0054	0.0016	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0054	0.0016	mg/kg	
108-88-3	Toluene	ND	0.0027	0.0014	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.014	0.0068	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.014	0.0068	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0054	0.0013	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0054	0.0015	mg/kg	
79-01-6	Trichloroethene	ND	0.0027	0.0021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.014	0.0019	mg/kg	
75-01-4	Vinyl chloride [a]	ND UJ	0.0054	0.0013	mg/kg	
	m,p-Xylene	ND	0.0027	0.0024	mg/kg	
95-47-6	o-Xylene [b]	ND UJ	0.0027	0.0012	mg/kg	
1330-20-7	Xylene (total)	ND	0.0027	0.0012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-124%
17060-07-0	1,2-Dichloroethane-D4	101%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	95%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	cycloalkane	4.71	.032	mg/kg	J
	Total TIC, Volatile		.032	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CT1968.D	1	04/20/23 02:17	RS	03/29/23 14:30	OP46004	ECT87
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.29	0.071	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.71	0.088	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.71	0.12	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.71	0.25	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.71	0.54	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.71	0.15	mg/kg	
95-48-7	2-Methylphenol	ND	0.29	0.091	mg/kg	
	3&4-Methylphenol	ND	0.29	0.12	mg/kg	
88-75-5	2-Nitrophenol	ND	0.71	0.094	mg/kg	
100-02-7	4-Nitrophenol	ND	1.4	0.38	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	0.13	mg/kg	
108-95-2	Phenol	ND	0.29	0.075	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.71	0.095	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.71	0.11	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.71	0.085	mg/kg	
83-32-9	Acenaphthene	ND	0.14	0.049	mg/kg	
208-96-8	Acenaphthylene	ND	0.14	0.073	mg/kg	
98-86-2	Acetophenone	ND	0.71	0.031	mg/kg	
120-12-7	Anthracene	ND	0.14	0.088	mg/kg	
1912-24-9	Atrazine [b]	ND	0.29	0.061	mg/kg	UJ
56-55-3	Benzo(a)anthracene	ND	0.14	0.040	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.14	0.065	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.14	0.063	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.14	0.071	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.14	0.067	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	0.055	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	0.035	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.29	0.020	mg/kg	
100-52-7	Benzaldehyde	ND	0.71	0.035	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	0.034	mg/kg	
106-47-8	4-Chloroaniline	ND	0.71	0.051	mg/kg	
86-74-8	Carbazole	ND	0.29	0.021	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED1-032323
Lab Sample ID: JD62642-4
Matrix: SO - Sediment
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 41.9

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND UJ	0.29	0.056	mg/kg	
218-01-9	Chrysene	ND	0.14	0.045	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	0.031	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	0.062	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.29	0.051	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.29	0.046	mg/kg	
121-14-2	2,4-Dinitrotoluene [b]	ND UJ	0.14	0.044	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.14	0.072	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.29	0.12	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	0.094	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.14	0.063	mg/kg	
132-64-9	Dibenzofuran	ND	0.29	0.058	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	0.023	mg/kg	
117-84-0	Di-n-octyl phthalate [b]	ND UJ	0.29	0.036	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	0.030	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	0.025	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	0.033	mg/kg	
206-44-0	Fluoranthene	ND	0.14	0.064	mg/kg	
86-73-7	Fluorene	ND	0.14	0.066	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	0.036	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.14	0.057	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.4	0.057	mg/kg	
67-72-1	Hexachloroethane	ND	0.71	0.071	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.14	0.067	mg/kg	
78-59-1	Isophorone	ND	0.29	0.031	mg/kg	
91-57-6	2-Methylnaphthalene	0.0363	0.14	0.032	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.71	0.034	mg/kg	
99-09-2	3-Nitroaniline	ND	0.71	0.036	mg/kg	
100-01-6	4-Nitroaniline	ND	0.71	0.037	mg/kg	
91-20-3	Naphthalene	ND	0.14	0.040	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	0.055	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	0.041	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.71	0.052	mg/kg	
85-01-8	Phenanthrene	ND	0.14	0.048	mg/kg	
129-00-0	Pyrene	ND	0.14	0.046	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.71	0.036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	64%		10-96%
118-79-6	2,4,6-Tribromophenol	72%		10-123%
4165-60-0	Nitrobenzene-d5	65%		10-109%
321-60-8	2-Fluorobiphenyl	64%		11-109%
1718-51-0	Terphenyl-d14	65%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	2.53	4.6	mg/kg	J
57-10-3	n-Hexadecanoic acid	6.67	.82	mg/kg	JN
	Total TIC, Semi-Volatile		.82	mg/kg	J

(a) Elevated detection limit due to bad sample matrix and reduced volume of sample extracted.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165788.D	1	03/30/23 21:09	RK	03/29/23 14:00	OP45519	GOA5863
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.040	0.021	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND UJ	0.0079	0.0045	mg/kg	
93-76-5	2,4,5-T	ND UJ	0.0079	0.0039	mg/kg	
75-99-0	Dalapon	ND	0.0079	0.0048	mg/kg	
1918-00-9	Dicamba	ND	0.0079	0.0041	mg/kg	
120-36-5	Dichloroprop	ND	0.040	0.021	mg/kg	
88-85-7	Dinoseb	ND UJ	0.040	0.025	mg/kg	
94-74-6	MCPA	ND UJ	4.0	2.2	mg/kg	
93-65-2	MCPP	ND	4.0	3.3	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0040	0.0013	mg/kg	
94-82-6	2,4-DB	ND UJ	0.040	0.022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	68%		10-138%
19719-28-9	2,4-DCAA	71%		10-138%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183933.D	1	03/30/23 08:47	CP	03/29/23 14:00	OP45511	G1G6441
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0014	0.0012	mg/kg	
319-84-6	alpha-BHC	ND	0.0014	0.0012	mg/kg	
319-85-7	beta-BHC	ND	0.0014	0.0013	mg/kg	
319-86-8	delta-BHC	ND	0.0014	0.0014	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0014	0.0011	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.0014	0.0012	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.0014	0.00065	mg/kg	
60-57-1	Dieldrin	ND	0.0014	0.00098	mg/kg	
72-54-8	4,4'-DDD	ND	0.0014	0.0013	mg/kg	
72-55-9	4,4'-DDE	ND	0.0014	0.0013	mg/kg	
50-29-3	4,4'-DDT [a]	0.0019 UJ	0.0014	0.0013	mg/kg	B
72-20-8	Endrin	ND	0.0014	0.0011	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0014	0.0011	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.0014	0.00081	mg/kg	
959-98-8	Endosulfan-I	ND	0.0014	0.00082	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0014	0.00089	mg/kg	
76-44-8	Heptachlor	ND	0.0014	0.0012	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0014	0.0010	mg/kg	
72-43-5	Methoxychlor	ND UJ	0.0029	0.0011	mg/kg	
53494-70-5	Endrin ketone	ND	0.0014	0.0010	mg/kg	
8001-35-2	Toxaphene	ND	0.036	0.033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		13-162%
877-09-8	Tetrachloro-m-xylene	100%		13-162%
2051-24-3	Decachlorobiphenyl	98%		10-180%
2051-24-3	Decachlorobiphenyl	129%		10-180%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499362.D	1	03/30/23 11:44	MLC	03/29/23 22:50	OP45512	GXX8133
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND UJ	0.071	0.033	mg/kg	
11104-28-2	Aroclor 1221	ND	0.071	0.044	mg/kg	
11141-16-5	Aroclor 1232	ND	0.071	0.046	mg/kg	
53469-21-9	Aroclor 1242	ND	0.071	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.071	0.064	mg/kg	
11097-69-1	Aroclor 1254	ND	0.071	0.038	mg/kg	
11096-82-5	Aroclor 1260	ND UJ	0.071	0.030	mg/kg	
11100-14-4	Aroclor 1268	ND	0.071	0.030	mg/kg	
37324-23-5	Aroclor 1262	ND	0.071	0.047	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		10-174%
877-09-8	Tetrachloro-m-xylene	111%		10-174%
2051-24-3	Decachlorobiphenyl	102%		10-195%
2051-24-3	Decachlorobiphenyl	109%		10-195%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED1-032323
Lab Sample ID: JD62642-4
Matrix: SO - Sediment
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 41.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4090	81	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 3.2	3.2	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 3.2	3.2	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	50.5	32	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.32	0.32	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.81	0.81	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	12500	810	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	6.3	1.6	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 8.1	8.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	6.3	4.0	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	8920	81	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	11.0	3.2	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3340	810	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	530	2.4	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.066	0.066	mg/kg	1	03/29/23	03/29/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	< 6.5	6.5	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1600	1600	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 3.2	3.2	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.81	0.81	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1600	1600	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.6	1.6	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	10.4	8.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	60.1	8.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA53926
(2) Instrument QC Batch: MA53935
(3) Prep QC Batch: MP38669
(4) Prep QC Batch: MP38714

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
		Percent Solids:	41.9
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.62	0.62	mg/kg	1	03/29/23 12:06	MM	SW846 9012B/LACHAT
Solids, Percent	41.9		%	1	03/28/23 17:51	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	45900	240	mg/kg	1	03/28/23 15:07	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW2-032323		
Lab Sample ID:	JD62642-5	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115177.D	1	03/31/23 14:44	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		23-127%
321-60-8	2-Fluorobiphenyl	66%		23-114%
1718-51-0	Terphenyl-d14	37%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-SED2-032323
Lab Sample ID: JD62642-6
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 35.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163244.D	1	03/30/23 14:20	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.092	0.061	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		10-109%
321-60-8	2-Fluorobiphenyl	67%		11-109%
1718-51-0	Terphenyl-d14	63%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED2-032323		
Lab Sample ID:	JD62642-6	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
		Percent Solids:	35.2
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	35.2		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	59000	280	mg/kg	1	03/28/23 15:21	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D209713.D	1	04/02/23 20:12	TS	n/a	n/a	V2D9133
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	103%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.69	350	ug/l	J
	Total TIC, Volatile		0	ug/l	

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F213400.D	1	03/29/23 19:02	KH	03/28/23 19:55	OP45493	EF9418
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.87	ug/l	
59-50-7	4-Chloro-3-methyl phenol [a]	ND UJ	5.3	0.95	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND UJ	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND UJ	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.94	ug/l	
	3&4-Methylphenol	ND	2.1	0.94	ug/l	
88-75-5	2-Nitrophenol [a]	ND UJ	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.3	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.42	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND UJ	5.3	1.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.98	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.14	ug/l	
98-86-2	Acetophenone	ND UJ	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.1	0.48	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.31	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.22	ug/l	
50-32-8	Benzo(a)pyrene [a]	ND	1.1	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene [a]	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.49	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.23	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND UJ	1.1	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.69	ug/l	
218-01-9	Chrysene	ND UJ	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.30	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.43	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.1	0.59	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.1	0.51	ug/l	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	2.1	0.54	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.70	ug/l	
53-70-3	Dibenzo(a,h)anthracene [a]	ND UJ	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.53	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.8	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.35	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	3.0	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND UJ	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.22	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline [a]	ND UJ	5.3	0.47	ug/l	
91-20-3	Naphthalene	ND	1.1	0.25	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.24	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.19	ug/l	
129-00-0	Pyrene	ND	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	26%		10-71%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	19%		10-58%
118-79-6	2,4,6-Tribromophenol	77%		22-144%
4165-60-0	Nitrobenzene-d5	68%		28-118%
321-60-8	2-Fluorobiphenyl	65%		34-116%
1718-51-0	Terphenyl-d14	41%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115178.D	1	03/31/23 15:05	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		23-127%
321-60-8	2-Fluorobiphenyl	63%		23-114%
1718-51-0	Terphenyl-d14	35%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4372.D	1	03/31/23 03:28	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.40	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.043	ug/l	
75-99-0	Dalapon	ND	0.080	0.060	ug/l	
1918-00-9	Dicamba	ND	0.080	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.40	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.40	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	40	27	ug/l	
93-65-2	MCPP [a]	ND UJ	40	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.080	0.041	ug/l	
94-82-6	2,4-DB	ND UJ	0.40	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	24%		10-150%
19719-28-9	2,4-DCAA	34%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89718.D	1	03/29/23 12:01	MLC	03/28/23 06:50	OP45489	G6G3253
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	UJ
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	UJ
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	UJ
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	UJ
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	UJ
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-175%
877-09-8	Tetrachloro-m-xylene	81%		10-175%
2051-24-3	Decachlorobiphenyl	51%		10-128%
2051-24-3	Decachlorobiphenyl	77%		10-128%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499341.D	1	03/29/23 13:15	RK	03/28/23 06:50	OP45490	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	UJ
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-169%
877-09-8	Tetrachloro-m-xylene	65%		10-169%
2051-24-3	Decachlorobiphenyl	56%		10-130%
2051-24-3	Decachlorobiphenyl	53%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW3-032323
Lab Sample ID: JD62642-7
Matrix: AQ - Surface Water
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Calcium	84700	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Iron	324	100	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Magnesium	27600	5000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Manganese	68.6	15	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [2]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Sodium	68400	10000	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]
Zinc	72.3	20	ug/l	1	03/29/23	03/30/23	ND	SW846 6010D [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA53935
(2) Instrument QC Batch: MA53937
(3) Prep QC Batch: MP38704
(4) Prep QC Batch: MP38772

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010 UJ	0.010	mg/l	1	03/29/23 12:45	MM	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW4-032323		
Lab Sample ID:	JD62642-8	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115179.D	1	03/31/23 15:27	JY	03/28/23 19:55	OP45493A	E4M5372
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		23-127%
321-60-8	2-Fluorobiphenyl	63%		23-114%
1718-51-0	Terphenyl-d14	35%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-SED4-032323
Lab Sample ID: JD62642-9
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 39.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163245.D	1	03/30/23 14:44	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.083	0.055	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		10-109%
321-60-8	2-Fluorobiphenyl	67%		11-109%
1718-51-0	Terphenyl-d14	67%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I249267.D	1	04/03/23 17:01	CL	n/a	n/a	VI10122
Run #2							

	Initial Weight
Run #1	10.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0059 J	0.010	0.0043	mg/kg	J
71-43-2	Benzene	ND	0.00051	0.00047	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00058	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	0.00044	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.0014	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00079	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0025	mg/kg	
75-15-0	Carbon disulfide	ND	0.0021	0.00055	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	0.00064	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	0.00047	mg/kg	
75-00-3	Chloroethane	ND	0.0051	0.00061	mg/kg	
67-66-3	Chloroform	ND	0.0021	0.00053	mg/kg	
74-87-3	Chloromethane	ND	0.0051	0.0020	mg/kg	
110-82-7	Cyclohexane	ND	0.0021	0.00068	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0021	0.00071	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0021	0.00058	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00043	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00056	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00051	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00051	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0051	0.00075	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00051	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00048	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00067	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00086	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00063	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0021	0.00049	mg/kg	
10061-01-5	cis-1,3-Dichloropropene [a]	ND UJ	0.0021	0.00049	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	0.00047	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00047	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.0027	mg/kg	
591-78-6	2-Hexanone [a]	ND UJ	0.0051	0.0022	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8260D	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND UJ	0.0021	0.0015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.0014	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0021	0.00090	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00048	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND UJ	0.0051	0.0023	mg/kg	
75-09-2	Methylene chloride	0.0052	0.0051	0.0027	mg/kg	
100-42-5	Styrene [b]	ND UJ	0.0021	0.00041	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0021	0.00062	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0021	0.00060	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00054	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0051	0.0026	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0051	0.0026	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	0.00050	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	0.00057	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00078	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00070	mg/kg	
75-01-4	Vinyl chloride [a]	ND UJ	0.0021	0.00050	mg/kg	
	m,p-Xylene	ND	0.0010	0.00092	mg/kg	
95-47-6	o-Xylene [b]	ND UJ	0.0010	0.00047	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00047	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-124%
17060-07-0	1,2-Dichloroethane-D4	105%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	94%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	3.96	.0087	mg/kg	J
75-18-3	Dimethyl sulfide	4.38	.0074	mg/kg	JN
	Total TIC, Volatile		.0161	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-SED3-032323
Lab Sample ID: JD62642-10
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 48.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163243.D	1	03/30/23 13:56	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.14	0.033	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.34	0.042	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.34	0.058	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.34	0.12	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.34	0.25	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.34	0.072	mg/kg	
95-48-7	2-Methylphenol	ND	0.14	0.043	mg/kg	
	3&4-Methylphenol	ND	0.14	0.056	mg/kg	
88-75-5	2-Nitrophenol	ND	0.34	0.045	mg/kg	
100-02-7	4-Nitrophenol	ND	0.68	0.18	mg/kg	
87-86-5	Pentachlorophenol	ND	0.27	0.064	mg/kg	
108-95-2	Phenol	ND	0.14	0.035	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.34	0.045	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.34	0.051	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.34	0.040	mg/kg	
83-32-9	Acenaphthene	ND	0.068	0.023	mg/kg	
208-96-8	Acenaphthylene	ND	0.068	0.034	mg/kg	
98-86-2	Acetophenone	ND	0.34	0.015	mg/kg	
120-12-7	Anthracene	ND	0.068	0.042	mg/kg	
1912-24-9	Atrazine	ND	0.14	0.029	mg/kg	
56-55-3	Benzo(a)anthracene	0.0592	0.068	0.019	mg/kg	J
50-32-8	Benzo(a)pyrene	0.0667	0.068	0.031	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0947	0.068	0.030	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0600	0.068	0.034	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.068	0.032	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.14	0.026	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.14	0.017	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.14	0.0093	mg/kg	
100-52-7	Benzaldehyde	0.0316	0.34	0.017	mg/kg	J
91-58-7	2-Chloronaphthalene	ND	0.14	0.016	mg/kg	
106-47-8	4-Chloroaniline	ND	0.34	0.024	mg/kg	
86-74-8	Carbazole	0.0136	0.14	0.0098	mg/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED3-032323
Lab Sample ID: JD62642-10
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 48.1

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.14	0.027	mg/kg	
218-01-9	Chrysene	0.0713	0.068	0.021	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.14	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.14	0.029	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.14	0.024	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.14	0.022	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.068	0.021	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.068	0.034	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.14	0.056	mg/kg	
123-91-1	1,4-Dioxane	ND	0.068	0.045	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.068	0.030	mg/kg	
132-64-9	Dibenzofuran	ND	0.14	0.028	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.14	0.011	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.14	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.14	0.014	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.14	0.012	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.14	0.016	mg/kg	
206-44-0	Fluoranthene	0.110	0.068	0.030	mg/kg	
86-73-7	Fluorene	ND	0.068	0.031	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.14	0.017	mg/kg	
87-68-3	Hexachlorobutadiene [a]	ND UJ	0.068	0.027	mg/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND UJ	0.68	0.027	mg/kg	
67-72-1	Hexachloroethane	ND	0.34	0.034	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0574	0.068	0.032	mg/kg	J
78-59-1	Isophorone	ND	0.14	0.014	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.068	0.015	mg/kg	
88-74-4	2-Nitroaniline	ND	0.34	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.34	0.017	mg/kg	
100-01-6	4-Nitroaniline [b]	ND UJ	0.34	0.018	mg/kg	
91-20-3	Naphthalene	ND	0.068	0.019	mg/kg	
98-95-3	Nitrobenzene	ND	0.14	0.026	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.14	0.020	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.34	0.025	mg/kg	
85-01-8	Phenanthrene	0.0712	0.068	0.023	mg/kg	
129-00-0	Pyrene	0.104	0.068	0.022	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.34	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	76%		10-96%
118-79-6	2,4,6-Tribromophenol	118%		10-123%
4165-60-0	Nitrobenzene-d5	94%		10-109%
321-60-8	2-Fluorobiphenyl	90%		11-109%
1718-51-0	Terphenyl-d14	89%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.56	.35	mg/kg	J
	system artifact/aldol-condensation	3.61	1.5	mg/kg	J
	system artifact	4.33	.67	mg/kg	J
121-33-5	Vanillin	6.63	.35	mg/kg	JN
1000297-95-5	4-((1E)-3-Hydroxy-1-propenyl)-2-methoxy	8.34	.79	mg/kg	JN
	unknown acid	9.41	.98	mg/kg	J
	unknown acid	9.46	.91	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.52	1	mg/kg	JN
	unknown	9.76	.6	mg/kg	J
	unknown acid	10.58	.6	mg/kg	J
	unknown	12.50	.31	mg/kg	J
	alkane	13.53	.3	mg/kg	J
	unknown	14.04	.3	mg/kg	J
	alkane	14.48	.31	mg/kg	J
	unknown	15.13	.31	mg/kg	J
7616-22-0	.gamma.-Tocopherol	15.22	.41	mg/kg	JN
	alkane	15.37	.28	mg/kg	J
59-02-9	Vitamin E	15.58	.27	mg/kg	JN
	Sitosterol	16.69	.61	mg/kg	J
	Total TIC, Semi-Volatile		8.33	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165789.D	1	03/30/23 21:32	RK	03/29/23 14:00	OP45519	GOA5863
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.032	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND UJ	0.0065	0.0036	mg/kg	
93-76-5	2,4,5-T	ND UJ	0.0065	0.0032	mg/kg	
75-99-0	Dalapon	ND	0.0065	0.0039	mg/kg	
1918-00-9	Dicamba	ND	0.0065	0.0034	mg/kg	
120-36-5	Dichloroprop	ND	0.032	0.017	mg/kg	
88-85-7	Dinoseb	ND UJ	0.032	0.020	mg/kg	
94-74-6	MCPA	ND UJ	3.2	1.8	mg/kg	
93-65-2	MCPP	ND	3.2	2.7	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0032	0.0010	mg/kg	
94-82-6	2,4-DB	ND UJ	0.032	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	56%		10-138%
19719-28-9	2,4-DCAA	48%		10-138%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183923.D	1	03/30/23 05:56	CP	03/29/23 14:00	OP45511	G1G6441
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0013	0.0010	mg/kg	
319-84-6	alpha-BHC	ND	0.0013	0.0010	mg/kg	
319-85-7	beta-BHC	ND	0.0013	0.0011	mg/kg	
319-86-8	delta-BHC	ND	0.0013	0.0012	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0013	0.00093	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.0013	0.0010	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.0013	0.00057	mg/kg	
60-57-1	Dieldrin	ND	0.0013	0.00087	mg/kg	
72-54-8	4,4'-DDD	0.0017	0.0013	0.0012	mg/kg	
72-55-9	4,4'-DDE	ND	0.0013	0.0011	mg/kg	
50-29-3	4,4'-DDT [a]	0.0015	0.0013	0.0011	mg/kg	J
72-20-8	Endrin	ND	0.0013	0.00098	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0013	0.00099	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.0013	0.00072	mg/kg	
959-98-8	Endosulfan-I	ND	0.0013	0.00073	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0013	0.00079	mg/kg	
76-44-8	Heptachlor	ND	0.0013	0.0011	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0013	0.00089	mg/kg	
72-43-5	Methoxychlor	ND	0.0025	0.0010	mg/kg	UJ
53494-70-5	Endrin ketone	ND	0.0013	0.00092	mg/kg	
8001-35-2	Toxaphene	ND	0.032	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		13-162%
877-09-8	Tetrachloro-m-xylene	126%		13-162%
2051-24-3	Decachlorobiphenyl	115%		10-180%
2051-24-3	Decachlorobiphenyl	166%		10-180%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499361.D	1	03/30/23 11:27	MLC	03/29/23 22:50	OP45512	GXX8133
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND UJ	0.063	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.063	0.039	mg/kg	
11141-16-5	Aroclor 1232	ND	0.063	0.040	mg/kg	
53469-21-9	Aroclor 1242	ND	0.063	0.026	mg/kg	
12672-29-6	Aroclor 1248	ND	0.063	0.057	mg/kg	
11097-69-1	Aroclor 1254	ND	0.063	0.034	mg/kg	
11096-82-5	Aroclor 1260	ND UJ	0.063	0.027	mg/kg	
11100-14-4	Aroclor 1268	ND	0.063	0.027	mg/kg	
37324-23-5	Aroclor 1262	ND	0.063	0.041	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	127%		10-174%
877-09-8	Tetrachloro-m-xylene	142%		10-174%
2051-24-3	Decachlorobiphenyl	120%		10-195%
2051-24-3	Decachlorobiphenyl	130%		10-195%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED3-032323
Lab Sample ID: JD62642-10
Matrix: SO - Sediment
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 48.1

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7400	110	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 4.3 UJ	4.3	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 4.3	4.3	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	68.8	43	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.43	0.43	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 1.1	1.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	23000	1100	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	10.5	2.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 11	11	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	13.4	5.4	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	16200	110	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	14.5	4.3	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	7270	1100	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	568 J-	3.2	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.058	0.058	mg/kg	1	03/29/23	03/29/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.7	8.6	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 2100	2100	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 4.3	4.3	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 2100	2100	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 2.1	2.1	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	16.6	11	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	80.9	11	mg/kg	1	03/28/23	03/29/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA53926
(2) Instrument QC Batch: MA53935
(3) Prep QC Batch: MP38669
(4) Prep QC Batch: MP38714

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
		Percent Solids:	48.1
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.48	0.48	mg/kg	1	03/29/23 12:07	MM	SW846 9012B/LACHAT
Solids, Percent	48.1		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	40600	210	mg/kg	1	03/28/23 15:48	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Water, Surface Water and Sediment
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD62642
SAMPLING DATE(S):	March 23, 2023
REPORT DATE:	June 28, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
LR-EB032323	JD62642-2	X
LR-SW1-032323	JD62642-3A	X
LR-SED1-032323	JD62642-4A	X
LR-SW2-032323	JD62642-5A	X
LR-SED2-032323	JD62642-6A	X
LR-SW3-032323	JD62642-7A	X
LR-SW3-032323MS	JD62642-7AMS	X
LR-SW3-032323MSD	JD62642-7AMSD	X
LR-SW4-032323	JD62642-8A	X
LR-SED4-032323	JD62642-9A	X
LR-SED3-032323	JD62642-10A	X
LR-SED3-032323MS	JD62642-10AMS	X
LR-SED3-032323MSD	JD62642-10AMSD	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD62642

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all samples and method types listed on the COC.

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements.

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

All Continuing Calibration Verification criteria were met, with the following exception: Continuing calibration standard CC239-1 reported percent difference for 7:3 FTCA > the 30% limit. The following samples are associated with this CCV.

Client ID	Lab ID	Analyte	Qualification
LR-SED1-032323	JD62642-4A	7:3 FTCA	UJ
LR-SED2-032323	JD62642-6A	7:3 FTCA	UJ
LR-SED4-032323	JD62642-9A	7:3 FTCA	UJ
LR-SED3-032323	JD62642-10A	7:3 FTCA	UJ

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Method blank, OP96192-MB, was free from contamination. No qualification was made based on this finding.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued for this SDG.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Equipment blank, LR-EB-01-032323/JD62642-2, was free of contamination. No data were qualified based on equipment blank contamination.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed on samples LR-SW3-032323/JD62642-07A, and LR-SED3-032323/JD62642-10A. All MS / MSD criteria were met. No qualification was made based on this finding.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No qualification was made based on LCS precision.

VIII.) Field Duplicates:

There were no field duplicate samples identified in this SDG.

IX.) Extracted Internal Standards (EIS):

The following table lists the samples the EIS criteria outside the 50-150% recovery limits.

Client ID	**Lab ID**	**EIS**	**Associated Analyte**	**Qualification**
LR-SED2-032323	JD62642-6A	D7-MeFOSE D9-EtFOSE	MeFOSE EtFOSE	UJ
LR-SW3-032323	JD62642-7A	13C2-PFTeDA	PFTeDA	UJ
LR-SED4-032323	JD62642-9A	D7-MeFOSE D9-EtFOSE	MeFOSE EtFOSE	UJ
LR-SED3-032323	JD62642-10A	D9-EtFOSE	EtFOSE	UJ

X.) Ion Transitions:

All ion transition criteria were met. No qualification was necessary.

XI.) Reporting limits (RLs):

All reporting limit criteria were met. Several sample results were greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. These qualifiers were confirmed by the validator.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	LAB ID	Analyte	Qualifier
LR-SED1-032323	JD62642-4A	7:3 FTCA	UJ
LR-SED2-032323	JD62642-6A	7:3 FTCA	UJ
LR-SED4-032323	JD62642-9A	7:3 FTCA	UJ
LR-SED3-032323	JD62642-10A	7:3 FTCA	UJ
LR-SED2-032323	JD62642-6A	MeFOSE EtFOSE	UJ
LR-SW3-032323	JD62642-7A	PFTeDA	UJ
LR-SED4-032323	JD62642-9A	MeFOSE EtFOSE	UJ
LR-SED3-032323	JD62642-10A	EtFOSE	UJ

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-EB-032323		
Lab Sample ID:	JD62642-2	**Date Sampled:**	03/23/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16126.D	1	04/05/23 18:51	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0074	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0037	0.00093	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0019	0.00046	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0019	0.00093	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-EB-032323
Lab Sample ID: JD62642-2
Matrix: AQ - Equipment Blank
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: n/a

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	92%		20-150%
	13C5-PFPeA	91%		20-150%
	13C5-PFHxA	92%		20-150%
	13C4-PFHpA	90%		20-150%
	13C8-PFOA	93%		20-150%
	13C9-PFNA	85%		20-150%
	13C6-PFDA	84%		20-150%
	13C7-PFUnDA	76%		20-150%
	13C2-PFDoDA	66%		20-150%
	13C2-PFTeDA	54%		20-150%
	13C3-PFBS	85%		20-150%
	13C3-PFHxS	77%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-032323		
Lab Sample ID:	JD62642-2	**Date Sampled:**	03/23/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	86%		20-150%
	13C8-FOSA	70%		20-150%
	d3-MeFOSA	70%		20-150%
	d5-EtFOSA	67%		20-150%
	d3-MeFOSAA	89%		20-150%
	d5-EtFOSAA	81%		20-150%
	d7-MeFOSE	70%		20-150%
	d9-EtFOSE	72%		20-150%
	13C2-4:2FTS	105%		20-150%
	13C2-6:2FTS	107%		20-150%
	13C2-8:2FTS	96%		20-150%
	13C3-HFPO-DA	84%		20-150%

(a) Analysis performed at SGS Orlando, FL.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16127.D	1	04/05/23 19:05	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0081	0.0074	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0017	0.0037	0.00093	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0020	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0011	0.0019	0.00046	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0069	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0018	0.0019	0.00093	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0018	0.0019	0.00093	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	58%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	98%		20-150%
	13C4-PFHpA	109%		20-150%
	13C8-PFOA	103%		20-150%
	13C9-PFNA	95%		20-150%
	13C6-PFDA	94%		20-150%
	13C7-PFUnDA	94%		20-150%
	13C2-PFDoDA	72%		20-150%
	13C2-PFTeDA	47%		20-150%
	13C3-PFBS	89%		20-150%
	13C3-PFHxS	91%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW1-032323		
Lab Sample ID:	JD62642-3A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	99%		20-150%
	13C8-FOSA	92%		20-150%
	d3-MeFOSA	83%		20-150%
	d5-EtFOSA	78%		20-150%
	d3-MeFOSAA	104%		20-150%
	d5-EtFOSAA	93%		20-150%
	d7-MeFOSE	74%		20-150%
	d9-EtFOSE	72%		20-150%
	13C2-4:2FTS	98%		20-150%
	13C2-6:2FTS	92%		20-150%
	13C2-8:2FTS	78%		20-150%
	13C3-HFPO-DA	94%		20-150%

(a) Analysis performed at SGS Orlando, FL.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16177.D	1	04/06/23 06:48	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.04 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0039	0.0019	0.0012	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00095	0.00024	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00047	0.00024	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00047	0.00024	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00096	0.00047	0.00024	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00047	0.00027	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00047	0.00024	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00047	0.00031	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00047	0.00024	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00047	0.00024	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00047	0.00024	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00047	0.00024	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00047	0.00037	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00047	0.00038	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00047	0.00034	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00093	0.00047	0.00024	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00047	0.00043	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00047	0.00034	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00047	0.00036	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0019	0.00095	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0019	0.00095	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0019	0.0014	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00047	0.00024	mg/kg	
31506-32-8	MeFOSA	ND	0.00047	0.00032	mg/kg	
4151-50-2	EtFOSA	ND	0.00047	0.00024	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00047	0.00037	mg/kg	
2991-50-6	EtFOSAA	ND	0.00047	0.00047	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0047	0.0024	mg/kg	
1691-99-2	EtFOSE	ND	0.0047	0.0024	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0019	0.00068	mg/kg	
919005-14-4	ADONA	ND	0.0019	0.00080	mg/kg	
377-73-1	PFMPA	ND	0.00095	0.00047	mg/kg	
863090-89-5	PFMBA	ND	0.00095	0.00047	mg/kg	
151772-58-6	NFDHA	ND	0.00095	0.00058	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0019	0.0010	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0019	0.00095	mg/kg	
113507-82-7	PFEESA	ND	0.00095	0.00047	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0024	0.0012	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.012	0.0027	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.012	0.0030	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	78%		20-150%
	13C5-PFPeA	79%		20-150%
	13C5-PFHxA	80%		20-150%
	13C4-PFHpA	80%		20-150%
	13C8-PFOA	76%		20-150%
	13C9-PFNA	75%		20-150%
	13C6-PFDA	73%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	68%		20-150%
	13C2-PFTeDA	60%		20-150%
	13C3-PFBS	74%		20-150%
	13C3-PFHxS	72%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED1-032323		
Lab Sample ID:	JD62642-4A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	41.9
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	73%		20-150%
	13C8-FOSA	68%		20-150%
	d3-MeFOSA	61%		20-150%
	d5-EtFOSA	57%		20-150%
	d3-MeFOSAA	83%		20-150%
	d5-EtFOSAA	83%		20-150%
	d7-MeFOSE	49%		20-150%
	d9-EtFOSE	52%		20-150%
	13C2-4:2FTS	82%		20-150%
	13C2-6:2FTS	88%		20-150%
	13C2-8:2FTS	78%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW2-032323		
Lab Sample ID:	JD62642-5A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16128.D	1	04/05/23 19:19	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0060	0.0074	0.0037	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0018	0.0037	0.00093	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0023	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	0.00084	0.0019	0.00046	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0059	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0017	0.0019	0.00093	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0021	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW2-032323		
Lab Sample ID:	JD62642-5A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	59%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	102%		20-150%
	13C4-PFHpA	107%		20-150%
	13C8-PFOA	99%		20-150%
	13C9-PFNA	94%		20-150%
	13C6-PFDA	96%		20-150%
	13C7-PFUnDA	91%		20-150%
	13C2-PFDoDA	77%		20-150%
	13C2-PFTeDA	52%		20-150%
	13C3-PFBS	99%		20-150%
	13C3-PFHxS	91%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW2-032323		
Lab Sample ID:	JD62642-5A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	92%		20-150%
	13C8-FOSA	92%		20-150%
	d3-MeFOSA	81%		20-150%
	d5-EtFOSA	77%		20-150%
	d3-MeFOSAA	105%		20-150%
	d5-EtFOSAA	98%		20-150%
	d7-MeFOSE	67%		20-150%
	d9-EtFOSE	69%		20-150%
	13C2-4:2FTS	113%		20-150%
	13C2-6:2FTS	106%		20-150%
	13C2-8:2FTS	71%		20-150%
	13C3-HFPO-DA	92%		20-150%

(a) Analysis performed at SGS Orlando, FL.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-SED2-032323
Lab Sample ID: JD62642-6A
Matrix: SO - Sediment
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: Lyndon Road Landfill

Date Sampled: 03/23/23
Date Received: 03/24/23
Percent Solids: 35.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16178.D	1	04/06/23 07:02	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	4.97 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0023	0.0014	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.0011	0.00029	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00057	0.00029	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00057	0.00029	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0014	0.00057	0.00029	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00057	0.00033	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00057	0.00029	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00057	0.00038	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00057	0.00029	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00057	0.00029	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00057	0.00029	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00057	0.00029	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00057	0.00045	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00057	0.00045	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00057	0.00041	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00090	0.00057	0.00029	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00057	0.00052	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00057	0.00041	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00057	0.00043	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0023	0.0011	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0023	0.0011	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0023	0.0017	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00057	0.00029	mg/kg	
31506-32-8	MeFOSA	ND	0.00057	0.00039	mg/kg	
4151-50-2	EtFOSA	ND	0.00057	0.00029	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED2-032323		
Lab Sample ID:	JD62642-6A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	35.2
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00057	0.00045	mg/kg	
2991-50-6	EtFOSAA	ND	0.00057	0.00056	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0057	0.0029	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0057	0.0029	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0023	0.00083	mg/kg	
919005-14-4	ADONA	ND	0.0023	0.00096	mg/kg	
377-73-1	PFMPA	ND	0.0011	0.00057	mg/kg	
863090-89-5	PFMBA	ND	0.0011	0.00057	mg/kg	
151772-58-6	NFDHA	ND	0.0011	0.00070	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0023	0.0013	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0023	0.0011	mg/kg	
113507-82-7	PFEESA	ND	0.0011	0.00057	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0029	0.0015	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.014	0.0033	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.014	0.0036	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	78%		20-150%
	13C5-PFPeA	75%		20-150%
	13C5-PFHxA	77%		20-150%
	13C4-PFHpA	75%		20-150%
	13C8-PFOA	79%		20-150%
	13C9-PFNA	73%		20-150%
	13C6-PFDA	79%		20-150%
	13C7-PFUnDA	75%		20-150%
	13C2-PFDoDA	71%		20-150%
	13C2-PFTeDA	62%		20-150%
	13C3-PFBS	74%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED2-032323		
Lab Sample ID:	JD62642-6A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	35.2
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	71%		20-150%
	13C8-FOSA	66%		20-150%
	d3-MeFOSA	60%		20-150%
	d5-EtFOSA	56%		20-150%
	d3-MeFOSAA	78%		20-150%
	d5-EtFOSAA	78%		20-150%
	d7-MeFOSE	48%		20-150%
	d9-EtFOSE	48%		20-150%
	13C2-4:2FTS	83%		20-150%
	13C2-6:2FTS	91%		20-150%
	13C2-8:2FTS	82%		20-150%
	13C3-HFPO-DA	70%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16129.D	1	04/05/23 19:33	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	460 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0052	0.0087	0.0043	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0016	0.0043	0.0011	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0020	0.0022	0.00054	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.00081	0.0022	0.00054	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0056	0.0022	0.00054	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0022	0.00066	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0022	0.00054	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0022	0.00065	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0022	0.00065	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0022	0.00091	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND UJ	0.0022	0.00054	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0016	0.0022	0.0011	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0022	0.0012	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0022	0.0011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0022	0.0011	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0016	0.0022	0.0011	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0022	0.0011	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0022	0.0011	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0022	0.0012	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0087	0.0045	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0022	0.0011	ug/l	
31506-32-8	MeFOSA	ND	0.0022	0.0011	ug/l	
4151-50-2	EtFOSA	ND	0.0022	0.0011	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0022	0.0011	ug/l	
2991-50-6	EtFOSAA	ND	0.0022	0.0014	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.022	0.011	ug/l	
1691-99-2	EtFOSE	ND	0.022	0.011	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0087	0.0022	ug/l	
919005-14-4	ADONA	ND	0.0087	0.0022	ug/l	
377-73-1	PFMPA	ND	0.0043	0.0011	ug/l	
863090-89-5	PFMBA	ND	0.0043	0.0012	ug/l	
151772-58-6	NFDHA	ND	0.0043	0.0013	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0087	0.0022	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0087	0.0022	ug/l	
113507-82-7	PFEESA	ND	0.0043	0.0011	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.011	0.0054	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.054	0.011	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.054	0.011	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	79%		20-150%
	13C5-PFPeA	100%		20-150%
	13C5-PFHxA	104%		20-150%
	13C4-PFHpA	100%		20-150%
	13C8-PFOA	97%		20-150%
	13C9-PFNA	100%		20-150%
	13C6-PFDA	101%		20-150%
	13C7-PFUnDA	93%		20-150%
	13C2-PFDoDA	77%		20-150%
	13C2-PFTeDA	49%		20-150%
	13C3-PFBS	88%		20-150%
	13C3-PFHxS	94%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW3-032323		
Lab Sample ID:	JD62642-7A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	92%		20-150%
	13C8-FOSA	88%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	73%		20-150%
	d3-MeFOSAA	98%		20-150%
	d5-EtFOSAA	91%		20-150%
	d7-MeFOSE	69%		20-150%
	d9-EtFOSE	66%		20-150%
	13C2-4:2FTS	101%		20-150%
	13C2-6:2FTS	90%		20-150%
	13C2-8:2FTS	82%		20-150%
	13C3-HFPO-DA	88%		20-150%

(a) Analysis performed at SGS Orlando, FL.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW4-032323		
Lab Sample ID:	JD62642-8A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16132.D	1	04/05/23 20:15	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0059	0.0074	0.0037	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0017	0.0037	0.00093	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0021	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0010	0.0019	0.00046	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0068	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0017	0.0019	0.00093	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0017	0.0019	0.00093	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW4-032323		
Lab Sample ID:	JD62642-8A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	54%		20-150%
	13C5-PFPeA	100%		20-150%
	13C5-PFHxA	101%		20-150%
	13C4-PFHpA	101%		20-150%
	13C8-PFOA	98%		20-150%
	13C9-PFNA	99%		20-150%
	13C6-PFDA	100%		20-150%
	13C7-PFUnDA	89%		20-150%
	13C2-PFDoDA	74%		20-150%
	13C2-PFTeDA	52%		20-150%
	13C3-PFBS	92%		20-150%
	13C3-PFHxS	93%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW4-032323		
Lab Sample ID:	JD62642-8A	**Date Sampled:**	03/23/23
Matrix:	AQ - Surface Water	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	92%		20-150%
	13C8-FOSA	92%		20-150%
	d3-MeFOSA	78%		20-150%
	d5-EtFOSA	70%		20-150%
	d3-MeFOSAA	96%		20-150%
	d5-EtFOSAA	85%		20-150%
	d7-MeFOSE	64%		20-150%
	d9-EtFOSE	64%		20-150%
	13C2-4:2FTS	96%		20-150%
	13C2-6:2FTS	90%		20-150%
	13C2-8:2FTS	77%		20-150%
	13C3-HFPO-DA	96%		20-150%

(a) Analysis performed at SGS Orlando, FL.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED4-032323		
Lab Sample ID:	JD62642-9A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	39.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16179.D	1	04/06/23 07:16	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0020	0.0013	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.0010	0.00026	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00051	0.00026	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00051	0.00026	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0072	0.00051	0.00026	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00051	0.00029	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00051	0.00026	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00051	0.00034	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00051	0.00026	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00051	0.00026	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00051	0.00026	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00051	0.00026	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00051	0.00040	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00051	0.00041	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00051	0.00037	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0145	0.00051	0.00026	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00051	0.00046	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00051	0.00037	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00051	0.00038	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0020	0.0010	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0020	0.0010	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0020	0.0015	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	0.00069	0.00051	0.00026	mg/kg	
31506-32-8	MeFOSA	ND	0.00051	0.00035	mg/kg	
4151-50-2	EtFOSA	ND	0.00051	0.00026	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED4-032323		
Lab Sample ID:	JD62642-9A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	39.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00051	0.00040	mg/kg	
2991-50-6	EtFOSAA	0.0020	0.00051	0.00050	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0051	0.0026	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0051	0.0026	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0020	0.00074	mg/kg	
919005-14-4	ADONA	ND	0.0020	0.00086	mg/kg	
377-73-1	PFMPA	ND	0.0010	0.00051	mg/kg	
863090-89-5	PFMBA	ND	0.0010	0.00051	mg/kg	
151772-58-6	NFDHA	ND	0.0010	0.00062	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0020	0.0011	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0020	0.0010	mg/kg	
113507-82-7	PFEESA	ND	0.0010	0.00051	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0026	0.0013	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.013	0.0029	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.013	0.0032	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	71%		20-150%
	13C5-PFPeA	69%		20-150%
	13C5-PFHxA	70%		20-150%
	13C4-PFHpA	71%		20-150%
	13C8-PFOA	67%		20-150%
	13C9-PFNA	76%		20-150%
	13C6-PFDA	84%		20-150%
	13C7-PFUnDA	77%		20-150%
	13C2-PFDoDA	69%		20-150%
	13C2-PFTeDA	63%		20-150%
	13C3-PFBS	67%		20-150%
	13C3-PFHxS	67%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED4-032323		
Lab Sample ID:	JD62642-9A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	39.0
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	67%		20-150%
	13C8-FOSA	71%		20-150%
	d3-MeFOSA	58%		20-150%
	d5-EtFOSA	54%		20-150%
	d3-MeFOSAA	75%		20-150%
	d5-EtFOSAA	76%		20-150%
	d7-MeFOSE	47%		20-150%
	d9-EtFOSE	46%		20-150%
	13C2-4:2FTS	77%		20-150%
	13C2-6:2FTS	77%		20-150%
	13C2-8:2FTS	71%		20-150%
	13C3-HFPO-DA	68%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16180.D	1	04/06/23 07:30	AFL	03/31/23 10:20	F:OP96187	F:S6Q240
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0017	0.0010	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00083	0.00021	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00041	0.00021	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00041	0.00021	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00045	0.00041	0.00021	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00041	0.00024	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00041	0.00021	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00041	0.00028	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00041	0.00021	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00041	0.00021	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00041	0.00021	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00041	0.00021	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00041	0.00033	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00041	0.00033	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00041	0.00030	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00053	0.00041	0.00021	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00041	0.00037	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00041	0.00030	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00041	0.00031	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0017	0.00083	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0017	0.00083	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0017	0.0012	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00041	0.00021	mg/kg	
31506-32-8	MeFOSA	ND	0.00041	0.00028	mg/kg	
4151-50-2	EtFOSA	ND	0.00041	0.00021	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00041	0.00033	mg/kg	
2991-50-6	EtFOSAA	ND	0.00041	0.00041	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0041	0.0021	mg/kg	
1691-99-2	EtFOSE	ND	0.0041	0.0021	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0017	0.00060	mg/kg	
919005-14-4	ADONA	ND	0.0017	0.00070	mg/kg	
377-73-1	PFMPA	ND	0.00083	0.00041	mg/kg	
863090-89-5	PFMBA	ND	0.00083	0.00041	mg/kg	
151772-58-6	NFDHA	ND	0.00083	0.00051	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0017	0.00091	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0017	0.00083	mg/kg	
113507-82-7	PFEESA	ND	0.00083	0.00041	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0021	0.0011	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.010	0.0024	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.010	0.0026	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	80%		20-150%
	13C5-PFPeA	77%		20-150%
	13C5-PFHxA	76%		20-150%
	13C4-PFHpA	76%		20-150%
	13C8-PFOA	80%		20-150%
	13C9-PFNA	77%		20-150%
	13C6-PFDA	75%		20-150%
	13C7-PFUnDA	77%		20-150%
	13C2-PFDoDA	71%		20-150%
	13C2-PFTeDA	65%		20-150%
	13C3-PFBS	73%		20-150%
	13C3-PFHxS	75%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED3-032323		
Lab Sample ID:	JD62642-10A	**Date Sampled:**	03/23/23
Matrix:	SO - Sediment	**Date Received:**	03/24/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	48.1
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	70%		20-150%
	13C8-FOSA	70%		20-150%
	d3-MeFOSA	60%		20-150%
	d5-EtFOSA	54%		20-150%
	d3-MeFOSAA	79%		20-150%
	d5-EtFOSAA	78%		20-150%
	d7-MeFOSE	52%		20-150%
	d9-EtFOSE	49%		20-150%
	13C2-4:2FTS	85%		20-150%
	13C2-6:2FTS	92%		20-150%
	13C2-8:2FTS	67%		20-150%
	13C3-HFPO-DA	71%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

VALIDATA
Chemical Services, Inc.
(770) 232-0130
(770) 232-5082 (Fax)
2159 Wynnton Pointe, Duluth, GA 30097
www.datavalidator.com

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ramboll
SITE NAME:	Lyndon Rd. Landfill
CONTRACTED LAB:	SGS Dayton, NJ
QA/QC LEVEL:	DUSR
EPA SOW/METHODS:	SW-846 Methods
VALIDATION GUIDELINES:	*USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS_SOP_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1)*; Professional Judgment
SAMPLE MATRIX:	Water
TYPE OF ANALYSIS:	Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), 1,4-dioxane, Herbicides, Pesticides, Polychlorinated Biphenyls (PCB), Metals, Mercury, Cyanide, Total Organic Carbon (TOC)
SDG NUMBER:	JD62646
SAMPLING DATES:	March 24, 2023

SAMPLES:

Client Sample #	Lab Sample #	VOC	SVOC
LR-TB-032423	JD62646-1	X	
LR-SW5-032423	JD62646-3	X	X
LR-SED5-032423	JD62646-4	X	X
LR-SWINT-032423	JD62646-7	X	X
LR-DUP-032423	JD62646-8	X	X
LR-DUP-032423	JD62646-9	X	X
LR-SW9-032423	JD62646-13	X	X
LR-SED9-032423	JD62646-14	X	X

Client Sample #	Lab Sample #	1,4-Dioxane	HERB
LR-SW5-032423	JD62646-3	X	X
LR-SED5-032423	JD62646-4		X
LR-SW6-032423	JD62646-6	X	
LR-SWINT-032423	JD62646-7	X	X
LR-DUP-032423	JD62646-8	X	X
LR-DUP-032423	JD62646-9		X
LR-SW7-032423	JD62646-10	X	
LR-SW8-032423	JD62646-11	X	
LR-SED8-032423	JD62646-12	X	
LR-SW9-032423	JD62646-13	X	X
LR-SED9-032423	JD62646-14	X	X

Client Sample #	Lab Sample #	PEST	PCB
LR-SW5-032423	JD62646-3	X	X
LR-SED5-032423	JD62646-4	X	X
LR-SED5-032423RE	JD62646-4RE	X	
LR-SED5-032423MS	JD62646-4MS		X
LR-SED5-032423MSD	JD62646-4MSD		X
LR-SWINT-032423	JD62646-7	X	X
LR-DUP-032423	JD62646-8	X	X
LR-DUP-032423	JD62646-9	X	X
LR-DUP-032423RE	JD62646-9RE	X	
LR-SW9-032423	JD62646-13	X	X
LR-SED9-032423	JD62646-14	X	X
LR-SED9-032423RE	JD62646-14RE	X	

Client Sample #	Lab Sample #	Met/Hg	CN
LR-SW5-032423	JD62646-3	X	X
LR-SW5-032423MS	JD62646-3MS	X	
LR-SW5-032423MSD	JD62646-3MSD	X	
LR-SED5-032423	JD62646-4	X	X
LR-SED5-032423DL	JD62646-4DL	X	
LR-SWINT-032423	JD62646-7	X	X
LR-DUP-032423	JD62646-8	X	X
LR-DUP-032423	JD62646-9	X	X
LR-DUP-032423DL	JD62646-9DL	X	

Client Sample #	Lab Sample #	Met/Hg	CN
LR-SW9-032423	JD62646-13	X	X
LR-SED9-032423	JD62646-14	X	X

Client Sample #	Lab Sample #	TOC
LR-SED5-032423	JD62646-4	X
LR-SED6-032423	JD62646-6	X
LR-SED8-032423	JD62646-12	X
LR-SED8-032423MS	JD62646-12MS	X
LR-SED8-032423MSD	JD62464-12MSD	X
LR-SED9-032324	JD62646-14	X

Suffix Codes: DL = DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Amy L. Hogan, Sandra Nacquin

DATA VALIDATION SUMMARY

SGS Dayton, New Jersey – JD62646 - Organics

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed per SW846 Method 8260D.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

Per the lab case narrative, sample LR-SED9-032423 was analyzed from an intact soil jar instead of DI vials, since none were available for the sample. Since the sample was analyzed from an improperly preserved container, all positive and non-detect results for the sample were qualified as estimated (J) and (UJ).

IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

The Percent Difference (%D) for the standards run on 1/24/23 at 03:10 on instrument GCMSC was -44.2% for methyl acetate, which exceeded the 30% QC limit. The positive and non-detect results for this compound in associated samples LR-SED5-032423 and LR-DUP-032423 were qualified as estimated (J) and (UJ).

The Percent Difference (%D) for the standards run on 1/21/23 at 23:34 on instrument GCMSI was 34.9% for acetone, which exceeded the 30% QC limit. The positive acetone result for sample LR-SED9-032323 was qualified as estimated (UJ).

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 4/4/23 at 10:47 on instrument GCMS3 exceeded the 20% QC limit for the following compounds:

Bromomethane	39.7%
Trichlorofluoromethane	23.4%
Acetone	-22.7%

The positive and non-detect results for these compounds in associated samples LR-SED5-032423 and LR-DUP-032423 were qualified as estimated (J) and (UJ).

The Percent Differences (%D) for the standards run on 4/3/23 at 09:21 on instrument GCMS4D exceeded the 20% QC limit for the following compounds:

acetone	-44.3%
cyclohexane	21.5%
1,2-dibromo-3-chloropropane	20.2%

The positive and non-detect results for these compounds in water SDG samples, except L-SW-INT-032423, were qualified as estimated (J) and (UJ).

The Percent Differences (%Ds) for the standards run on 4/5/23 at 11:17 on instrument GCMSI exceeded the 20% QC limit for the following compounds:

Carbon disulfide	34.8%
1,1,2,2-tetrachloroethane	22.1%

The results for these compounds in associated sample LR-SED9-032423, which were both non-detect, were qualified as estimated (UJ).

It was noted by the validator that the lab did not analyze a closing calibration standard. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Trip Blank:

There were no detections reported in the associated trip blank for this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Four LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analysis data was submitted for this fraction of the SDG. Several Percent Recoveries (%Rs) and Relative Percent Differences (RPDs) were outside the QC limits. Data qualification based on batch QC data was not required. No data qualification was necessary.

X.) Field Duplicates:

Two sets of field duplicate samples (LR-SW5-032423 / LR-DUP032423 and LR-SED5-032423 / LR-DUP-032423) were identified as part of this SDG. The calculable differences for methyl acetate and 2-butanone for the second set were less than the RL and the calculable difference for acetone for the second set was greater than the RL. Data qualification based on field duplicate results was not required. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOC)

SUMMARY

I.) General:

The analyses for Semivolatile Organics and for 1,4-dioxane as a Semivolatile Organic Compound (SVOC) were performed per SW-846 Method 8270E.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/30/23 at 08:37 on instrument GCMSZ exceeded the 20% QC limit for the following compounds:

Hexachlorobutadiene	-21.6%
Hexachlorocyclopentadiene	43.3%
4-nitroaniline	21.7%

The results for these compounds in the soil SDG samples, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 4/3/23 at 09:22 on instrument GCMSCR exceeded the 20% QC limit for the following compounds:

2-nitrophenol	-32.4%
Hexachlorocyclopentadiene	28.9%
2,4-dinitrophenol	-503%
4-nitrophenol	36.5%
4,6-dinitro-2-methylphenol	-49.0%
Butylbenzyl phthalate	-21.0%
2,4-dinitrotoluene	-24.8%
di-n-octyl phthalate	-22.0%
atrazine	-24.7%
caprolactam	-32.3%

The positive and non-detect results for these compounds in associated samples LR-SW-INT-032423, LR-DUP-032423 and LR-SW9-032423 were qualified as estimated (J) and (UJ).

IV.) Blanks:

Method Blanks:

Di-n-butyl phthalate (1.5 ug/L) was reported in the associated water method blank. Since the blank result was less than the RL and all positive results for the compound in the associated samples were greater than the RL, no data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

One LCS and two LCS / LCSD sets (one for 1,4-dioxane only and one for the full SVOC list) were analyzed by the laboratory for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS/ MSD analyses data were submitted for this fraction of the SDG. One Percent Recovery was outside the QC limits. Data qualification based on batch QC results was not required. No data qualification was necessary.

VIII.) Field Duplicates:

Two sets of field duplicate samples (LR-SW5-032423 / LR-DUP-032423 and LR-SED5-032423 / LR-DUP-032423) were identified for this SDG. The only calculable Relative Percent Difference (RPD) was 18% for di-n-butyl phthalate for the first set, which was within the advisory 50% QC limit. No data qualification was necessary.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

X.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

HERBICIDES

SUMMARY

I.) General:

The analyses for Herbicides were performed per SW846 Method 8151A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) the for the standards run on 3/31/23 at 01:18 on instrument GC9G exceeded the 20% QC limit for the following compounds:

MCPP	-29.5%/-67.9%
MCPA	-20.4%/-691.2%
2,4-D	25.9%
2,4-DB	26.0%
Dinoseb	-23.7%

The results for these compounds in the water SDG samples, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) the for the standards run on 3/31/23 at 05:17 on instrument GC9G exceeded the 20% QC limit for the following compounds:

MCPP	-51.1%
MCPA	-43.1%
2,4-DB	23.6%

The results for these compounds in the water SDG samples, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/30/23 at 19:13 on instrument GCOA exceeded the 20% QC limit for the following compounds:

2,4,5-TP	26.7%
2,4,5-T	36.1%
Dinoseb	29.2%

The results for these compounds in the soil SDG samples, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/31/23 at 00:16 on instrument GCOA exceeded the 20% QC limit for the following compounds:

MCPA	-25.8%
2,4-DB	27.7%
Dinoseb	21.2%

The results for these compounds in the soil SDG samples, which were all non-detect, were qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections reported in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

The Percent Recoveries (%Rs) for 2,4-DCAA at 311% and 224% for sample LR-SED9-032423 exceeded the QC limits. Since there were no positive results for this sample, no data qualification was necessary.

V.) Laboratory Control Samples (LCS):

Two LCS were analyzed for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. Several Percent Recoveries (%Rs) and Relative Percent Difference (RPD) were outside the QC limits. Data qualification based on batch QC results was not required. No data qualification was necessary.

VII.) Field Duplicates:

Two sets of field duplicate samples (LR-SW5-032423 / LR-DUP-032423 and LR-SED5-032423 / LR-DUP-032423) were identified as part of this SDG. There were no calculable RPD or differences, so no data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

PESTICIDES

SUMMARY

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/29/23 at 01:59 on instrument GC1G exceeded the 20% QC limit for the following compounds:

Endosulfan I	-22.2%
4,4'-DDE	35.6%
Methoxychlor	30.3%
Endrin aldehyde	-20.5%
Endrin ketone	-29.5%

The non-detect results for these compounds in the water SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 09:31 on instrument GC1G exceeded the 20% QC limit for the following compounds:

Endrin aldehyde	-21.1%
Endrin ketone	-24.4%

The non-detect results for these compounds in the water SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 4/1/23 at 05:52 on instrument GC6G exceeded the 20% QC limit for the following compounds:

beta BHC	20.7%
4,4'-DDT	36.4%

The non-detect results for these compounds in associated samples LR-SED5-032423 and LR-DUP-032423 were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 4/5/23 at 04:55 on instrument GC6G exceeded the 20% QC limit for the following compounds:

Delta BHC	21.8%

Heptachlor epoxide	20.6%
Gamma chlordane	21.6%
Alpha chlordane	25.1%
4,4'-DDE	29.3%
Dieldrin	20.8%
endrin	29.7%
4,4'-DDD	29.7%
Endosulfan II	31.4%
4,4'-DDT	45.7%
Endrin aldehyde	35.4%
Endosulfan sulfate	50.4%/26.1%
Methoxychlor	60.5%
Endrin ketone	42.2%

The non-detect results for these compounds in the soil SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 4/5/23 at 22:31 on instrument GC6G exceeded the 20% QC limit for the following compounds:

Gamma BHC	22.6%
Heptachlor	25.6%
Beta BHC	33.7%
Aldrin	24.7%
Heptachlor epoxide	32.1%
Gamma chlordane	32.7%
Alpha chlordane	38.9%
Endosulfan I	37.8%
4,4'-DDE	39.7%
Dieldrin	33.3%
endrin	36.9%
4,4'-DDD	36.7%
Endosulfan II	38.3%
4,4'-DDT	46.1%
Endrin aldehyde	30.3%
Endosulfan sulfate	38.0%
Methoxychlor	58.3%
Endrin ketone	36.3%

The non-detect results for these compounds in the soil SDG samples, except dieldrin and Endosulfan sulfate for LR-SWD9-032423 which were reported from a second analysis, were qualified as estimated (UJ).

IV.) Blanks:

Method Blanks:

There were no detections reported in the associated method blanks for this SDG. No data qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Batch MS / MSD analyses data were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VIII.) Field Duplicates:

Two sets of field duplicate samples (LR-SW5-032423 / LR-DUP-032423 and LR-SED5-032423 / LR-DUP-032423) were identified as part of this SDG. There were no calculable RPD or differences. No data qualification was necessary.

IX.) TCL Compound Identification:

The confirmation column RPD of 60.9% for dieldrin in sample LR-SED9-032423 exceeded the 25% QC limit. The positive result for dieldrin in the sample was qualified as estimated (J).

X.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

POLYCHLORINATED BIPHENYLS (PCB)

SUMMARY

I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 3/29/23 at 01:46 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-37.2%
Aroclor 1260 (C)	-21.5%
Aroclor 1260 (D)	-21.4%

The non-detect Aroclor 1260 results for associated sample LR-SW5-032323 was qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 04:55 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-40.7%
Aroclor 1260 (C)	-22.0%
Aroclor 1260 (D)	-23.9%

The non-detect Aroclor 1260 results for the water SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/29/23 at 08:04 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-36.9%
Aroclor 1260 (D)	-23.2%

The non-detect Aroclor 1260 results for the water SDG samples were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/31/23 at 08:45 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1016 (A)	-20.4%
Aroclor 1260 (A)	-23.9%
Aroclor 1260 (B)	-47.8% / -20.3%
Aroclor 1260 (C)	-27.2%
Aroclor 1260 (D)	-37.9%
Aroclor 1260 (E)	-20.9%

The non-detect Aroclor 1016 and 1260 results for associated samples LR-SED5-032423 and LR-DUP-032423 were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 3/31/23 at 12:39 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-44.7%
Aroclor 1260 (D)	-31.1%

The non-detect Aroclor 1260 results for associated samples LR-SED5-032423 and LR-DUP-032423 were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 4/3/23 at 21:43 on instrument G1530A exceeded the 20% QC limit for the following compound peaks:

Aroclor 1260 (B)	-32.2%

Aroclor 1260 (D)	-21.4%

The non-detect Aroclor 1260 results for associated sample LR-SED9-032423 was qualified as estimated (UJ).

III.) Blanks:

Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

IV.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

Two LCS / LCSD sets were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG sample LR-SED5-032423. All criteria were met. No data qualification was necessary.

Batch QC data were also submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VII.) Field Duplicates:

Two sets of field duplicate samples (LR-SW5-032423 / LR-DUP-032423 and LR-SED5-032423 / LR-DUP-032423) were identified as part of this SDG. There were no calculable RPD or differences. No data qualification was necessary.

VIII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

IXI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL METALS

SUMMARY

I.) General:

The analyses for Total Metals were performed per SW846 Method 6010D.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL criteria were met. No data qualification was necessary.

IV.) Blanks:

Calibration Blanks:

There were no detections reported in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections reported in the associated preparation blank. No data qualification was necessary.

V.) Interference Check Sample (ICS) Results:

All ICS criteria were met. No data qualification was necessary.

VI.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using SDG sample LR-SW5-032423. The Percent Recovery (%R) of 125.2% for sodium exceeded the QC limits. The matrix spike analysis for sodium is not required for water samples, so the parent sample result was not qualified. All other criteria were met. No data qualification was necessary.

Batch QC data were submitted in association with the soil SDG samples. All criteria were met. No data qualification was necessary.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VIII.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using sample LR-SW5-0324. Batch QC data were submitted in association with the soil SDG samples. All criteria were met. No data qualification was necessary.

IX.) Field Duplicates:

Two sets of field duplicate samples (LR-SW5-032423 / LR-DUP-032423 and LR-SED5-032423 / LR-DUP-032423) were identified for this SDG. The calculable RPDs for the first set were:

Calcium	11%
Iron	2.4%
Magnesium	4.1%
Manganese	13%
Sodium	10%

All RPD were within the advisory 50% QC limit. No data qualification was necessary.

The calculable RPD for the second set were:

Aluminum	20%
Arsenic	40%
Barium	22%

Beryllium	19%
Calcium	30%
Chromium	24%
Copper	32%
Iron	27%
Lead	23%
Magnesium	25%
Manganese	31%
Nickel	23%
Potassium	16%
Vanadium	27%
Zinc	19%

All RPD were within the advisory 50% QC limit. The calculable difference for cobalt was greater than the RL. Data qualification based on field duplicate results was not required, so no data qualification was necessary.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The calcium results for samples LR-SED5-032423 and LR-DUP-032423 were reported from a dilution analysis due since the initial analysis result for the analyte exceeded the linear calibration range. Since the Form I for each sample is a composite of the results, no data qualification was necessary.

TOTAL MERCURY

SUMMARY

I.) General:

The analyses for Total Mercury were performed per SW846 Method 7471A.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

IV.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There weas no detection reported in the associated preparation blank. No data qualification was necessary.

V.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

Batch MSMS / MSD analyses data were submitted for this fraction of the SDG. All criteria were met. No data qualification was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VII.) Serial Dilution Analysis:

Serial Dilution Analysis was not required for this fraction of the SDG. No data qualification was necessary.

VIII.) Field Duplicates:

Two sets of field duplicate samples (LR-SW5-032423 / LR-DUP-032423 and LR-SED5-032423 / LR-DUP-032423) were identified for this SDG. There were no calculable results. No data qualification was necessary.

IX.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL CYANIDE

SUMMARY

I.) General:

The analyses for Total Cyanide were performed per SW846 Method 9012B.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

Batch MS / MD analyses data were submitted for this fraction of the SDG. One Percent Recovery (%R) was below the QC limits. Data qualification based on batch QC results was not required. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

Two sets of field duplicate samples (LR-SW5-032423 / LR-DUP-032423 and LR-SED5-032423 / LR-DUP-032423) were identified for this SDG. There were no calculable results. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

TOTAL ORGANIC CARBON (TOC)

SUMMARY

I.) General:

The analyses for Total Organic Carbon (TOC) were performed per Lloyd Kahn 1988 Modified.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualifications.

MAJOR ISSUES

There were no Major Issues for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

III.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There were no detections in the associated preparation blanks. No data qualification was necessary.

IV.) Matrix Spike / Matrix Duplicate (MS / MD):

MS / MD analyses were performed using sample LR-SED8-032423. All criteria were met. No data qualification was necessary.

V.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

VI.) Field Duplicates:

There were no field duplicate samples identified for this fraction of the SDG. No data qualification was necessary.

VII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

Appendix A
Qualified Form Is

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-TB-032423		
Lab Sample ID:	JD62646-1	**Date Sampled:**	03/24/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D126550.D	1	04/03/23 15:31	BK	n/a	n/a	V4D5616
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane [b]	ND UJ	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND UJ	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-TB-032423		
Lab Sample ID:	JD62646-1	**Date Sampled:**	03/24/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.39	9.4	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D126557.D	1	04/03/23 18:50	BK	n/a	n/a	V4D5616
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane [b]	ND UJ	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND UJ	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.43	67	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E121547.D	1	04/01/23 02:41	JY	03/31/23 08:30	OP45524	E3E5610
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW5-032423
Lab Sample ID: JD62646-3
Matrix: AQ - Surface Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	3.1	2.0	0.50	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		10-71%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	20%		10-58%
118-79-6	2,4,6-Tribromophenol	75%		22-144%
4165-60-0	Nitrobenzene-d5	70%		28-118%
321-60-8	2-Fluorobiphenyl	65%		34-116%
1718-51-0	Terphenyl-d14	64%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	5.83	4.6	ug/l	J
	Internal standard added for SIM test	7.69	4.5	ug/l	J
	Internal standard added for SIM test	10.91	4.8	ug/l	J
	Unknown	14.54	9.3	ug/l	J
	Internal standard added for SIM test	15.19	4.3	ug/l	J
	Total TIC, Semi-Volatile		9.3	ug/l	J

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RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115253.D	1	04/03/23 14:57	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		23-127%
321-60-8	2-Fluorobiphenyl	65%		23-114%
1718-51-0	Terphenyl-d14	57%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4373.D	1	03/31/23 03:50	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.40	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.043	ug/l	
75-99-0	Dalapon	ND	0.080	0.060	ug/l	
1918-00-9	Dicamba	ND	0.080	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.40	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.40	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	40	27	ug/l	
93-65-2	MCPP [a]	ND UJ	40	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.080	0.041	ug/l	
94-82-6	2,4-DB	ND UJ	0.40	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	30%		10-150%
19719-28-9	2,4-DCAA	41%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ALH 7/3/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183854.D	1	03/29/23 02:34	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	UJ
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	UJ
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	UJ
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	UJ
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	UJ
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-175%
877-09-8	Tetrachloro-m-xylene	80%		10-175%
2051-24-3	Decachlorobiphenyl	69%		10-128%
2051-24-3	Decachlorobiphenyl	96%		10-128%

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499309.D	1	03/29/23 04:04	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	UJ
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		10-169%
877-09-8	Tetrachloro-m-xylene	70%		10-169%
2051-24-3	Decachlorobiphenyl	58%		10-130%
2051-24-3	Decachlorobiphenyl	52%		10-130%

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	75200	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	251	100	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	24500	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	39.0	15	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	59700	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53941
(3) Prep QC Batch: MP38727
(4) Prep QC Batch: MP38772

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:46	MM	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C182476.D	1	04/04/23 13:25	PS	n/a	n/a	V3C7986
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	0.0196 J	0.010	0.0041	mg/kg	
71-43-2	Benzene	ND	0.00050	0.00045	mg/kg	
74-97-5	Bromochloromethane	ND	0.0050	0.00056	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00043	mg/kg	
75-25-2	Bromoform	ND	0.0050	0.0014	mg/kg	
74-83-9	Bromomethane [b]	ND UJ	0.0050	0.00076	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0024	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00053	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00062	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00046	mg/kg	
75-00-3	Chloroethane	ND	0.0050	0.00059	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00052	mg/kg	
74-87-3	Chloromethane	ND	0.0050	0.0020	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00065	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00069	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00056	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00042	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00054	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00049	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00049	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0050	0.00072	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00049	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00047	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00065	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00084	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00061	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00047	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00047	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00046	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00045	mg/kg	
76-13-1	Freon 113	ND	0.0050	0.0027	mg/kg	
591-78-6	2-Hexanone	ND	0.0050	0.0021	mg/kg	

ALH 7/3/23

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.0014	mg/kg	
79-20-9	Methyl Acetate	0.0034 J	0.0050	0.0014	mg/kg	J
108-87-2	Methylcyclohexane	ND	0.0020	0.00087	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00047	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0050	0.0023	mg/kg	
75-09-2	Methylene chloride	ND	0.0050	0.0026	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00040	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00060	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00058	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00052	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0050	0.0025	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0050	0.0025	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00048	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00055	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00076	mg/kg	
75-69-4	Trichlorofluoromethane [b]	ND UJ	0.0050	0.00068	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00048	mg/kg	
	m,p-Xylene	ND	0.0010	0.00089	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00046	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-124%
17060-07-0	1,2-Dichloroethane-D4	100%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	97%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits high.
(b) Associated CCV outside of control limits low. No sensitivity check provided.

ALH 7/3/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163249.D	1	03/30/23 16:21	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.086	0.021	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.22	0.026	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.22	0.037	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.22	0.077	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.22	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.22	0.046	mg/kg	
95-48-7	2-Methylphenol	ND	0.086	0.028	mg/kg	
	3&4-Methylphenol	ND	0.086	0.036	mg/kg	
88-75-5	2-Nitrophenol	ND	0.22	0.029	mg/kg	
100-02-7	4-Nitrophenol	ND	0.43	0.12	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.041	mg/kg	
108-95-2	Phenol	ND	0.086	0.023	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.22	0.029	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.22	0.032	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.22	0.026	mg/kg	
83-32-9	Acenaphthene	ND	0.043	0.015	mg/kg	
208-96-8	Acenaphthylene	ND	0.043	0.022	mg/kg	
98-86-2	Acetophenone	ND	0.22	0.0093	mg/kg	
120-12-7	Anthracene	ND	0.043	0.026	mg/kg	
1912-24-9	Atrazine	ND	0.086	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.043	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.043	0.020	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.043	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.043	0.022	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.043	0.020	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.086	0.017	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.086	0.011	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.086	0.0059	mg/kg	
100-52-7	Benzaldehyde	ND	0.22	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.086	0.010	mg/kg	
106-47-8	4-Chloroaniline	ND	0.22	0.016	mg/kg	
86-74-8	Carbazole	ND	0.086	0.0063	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED5-032423
Lab Sample ID: JD62646-4
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 74.9

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.086	0.017	mg/kg	
218-01-9	Chrysene	ND	0.043	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.086	0.0092	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.086	0.019	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.086	0.016	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.086	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.043	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.043	0.022	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.086	0.036	mg/kg	
123-91-1	1,4-Dioxane	ND	0.043	0.029	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.043	0.019	mg/kg	
132-64-9	Dibenzofuran	ND	0.086	0.018	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.086	0.0070	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.086	0.011	mg/kg	
84-66-2	Diethyl phthalate	ND	0.086	0.0092	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.086	0.0077	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.086	0.010	mg/kg	
206-44-0	Fluoranthene	ND	0.043	0.019	mg/kg	
86-73-7	Fluorene	ND	0.043	0.020	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.086	0.011	mg/kg	
87-68-3	Hexachlorobutadiene [a]	ND	0.043	0.017	mg/kg	UJ
77-47-4	Hexachlorocyclopentadiene [b]	ND	0.43	0.017	mg/kg	UJ
67-72-1	Hexachloroethane	ND	0.22	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.043	0.020	mg/kg	
78-59-1	Isophorone	ND	0.086	0.0092	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.043	0.0098	mg/kg	
88-74-4	2-Nitroaniline	ND	0.22	0.010	mg/kg	
99-09-2	3-Nitroaniline	ND	0.22	0.011	mg/kg	
100-01-6	4-Nitroaniline [b]	ND	0.22	0.011	mg/kg	UJ
91-20-3	Naphthalene	ND	0.043	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.086	0.017	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.086	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.22	0.016	mg/kg	
85-01-8	Phenanthrene	ND	0.043	0.015	mg/kg	
129-00-0	Pyrene	ND	0.043	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.22	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		10-99%

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	74%		10-96%
118-79-6	2,4,6-Tribromophenol	114%		10-123%
4165-60-0	Nitrobenzene-d5	90%		10-109%
321-60-8	2-Fluorobiphenyl	89%		11-109%
1718-51-0	Terphenyl-d14	91%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.56	.23	mg/kg	J
	system artifact/aldol-condensation	3.61	.22	mg/kg	J
	system artifact	4.33	.37	mg/kg	J
	unknown	4.99	.19	mg/kg	J
	unknown acid	9.46	.45	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.52	.43	mg/kg	JN
	unknown acid	10.56	.18	mg/kg	J
	Sitosterol	16.69	.34	mg/kg	J
	Total TIC, Semi-Volatile		1.59	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-SED5-032423
Lab Sample ID: JD62646-4
Matrix: SO - Sediment
Method: SW846 8151A SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 74.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165790.D	1	03/30/23 21:56	RK	03/29/23 14:00	OP45519	GOA5863
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.020	0.011	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND UJ	0.0041	0.0023	mg/kg	
93-76-5	2,4,5-T	ND UJ	0.0041	0.0020	mg/kg	
75-99-0	Dalapon	ND	0.0041	0.0025	mg/kg	
1918-00-9	Dicamba	ND	0.0041	0.0021	mg/kg	
120-36-5	Dichloroprop	ND	0.020	0.011	mg/kg	
88-85-7	Dinoseb	ND UJ	0.020	0.013	mg/kg	
94-74-6	MCPA	ND UJ	2.0	1.1	mg/kg	
93-65-2	MCPP	ND	2.0	1.7	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0020	0.00066	mg/kg	
94-82-6	2,4-DB	ND UJ	0.020	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	57%		10-138%
19719-28-9	2,4-DCAA	68%		10-138%

ALH 7/3/23

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G90006.D	1	04/06/23 04:05	CP	03/30/23 14:00	OP45513	G6G3264
Run #2	6G89877.D	1	04/01/23 08:56	RK	03/30/23 14:00	OP45513	G6G3259

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2	15.7 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND UJ	0.00085	0.00070	mg/kg	
319-84-6	alpha-BHC	ND	0.00085	0.00069	mg/kg	
319-85-7	beta-BHC	ND [a] UJ	0.00085	0.00077	mg/kg	
319-86-8	delta-BHC	ND	0.00085	0.00082	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00085	0.00063	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00085	0.00069	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00085	0.00039	mg/kg	
60-57-1	Dieldrin	ND	0.00085	0.00058	mg/kg	
72-54-8	4,4'-DDD	ND	0.00085	0.00078	mg/kg	
72-55-9	4,4'-DDE	ND	0.00085	0.00075	mg/kg	
50-29-3	4,4'-DDT	ND [a]	0.00085	0.00075	mg/kg	
72-20-8	Endrin	ND	0.00085	0.00066	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00085	0.00066	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00085	0.00048	mg/kg	
959-98-8	Endosulfan-I	ND	0.00085	0.00049	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00085	0.00053	mg/kg	
76-44-8	Heptachlor	ND	0.00085	0.00073	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00085	0.00060	mg/kg	
72-43-5	Methoxychlor	ND	0.0017	0.00068	mg/kg	
53494-70-5	Endrin ketone	ND	0.00085	0.00061	mg/kg	
8001-35-2	Toxaphene	ND	0.021	0.020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	123%	100%	13-162%
877-09-8	Tetrachloro-m-xylene	74%	74%	13-162%
2051-24-3	Decachlorobiphenyl	63%	64%	10-180%
2051-24-3	Decachlorobiphenyl	89%	91%	10-180%

(a) Result is from Run# 2

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499440.D	1	03/31/23 11:14	MLC	03/30/23 14:00	OP45514	GXX8135
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND UJ	0.044	0.020	mg/kg	
11104-28-2	Aroclor 1221	ND	0.044	0.027	mg/kg	
11141-16-5	Aroclor 1232	ND	0.044	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.044	0.018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.044	0.039	mg/kg	
11097-69-1	Aroclor 1254	ND	0.044	0.024	mg/kg	
11096-82-5	Aroclor 1260	ND UJ	0.044	0.019	mg/kg	
11100-14-4	Aroclor 1268	ND	0.044	0.019	mg/kg	
37324-23-5	Aroclor 1262	ND	0.044	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	51%		10-174%
877-09-8	Tetrachloro-m-xylene	52%		10-174%
2051-24-3	Decachlorobiphenyl	50%		10-195%
2051-24-3	Decachlorobiphenyl	49%		10-195%

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED5-032423
Lab Sample ID: JD62646-4
Matrix: SO - Sediment
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 74.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7150	43	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 1.7	1.7	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	3.0	1.7	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	33.1	17	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.34	0.17	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.43	0.43	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	27000	870	mg/kg	2	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	11.1	0.87	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	5.1	4.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	14.4	2.2	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	14100	43	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	6.9	1.7	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	8790	430	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	244	1.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.041	0.041	mg/kg	1	03/30/23	03/31/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	11.5	3.5	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	1330	870	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 1.7	1.7	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.43	0.43	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 870	870	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 0.87	0.87	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	16.9	4.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	40.6	4.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53929
(2) Instrument QC Batch: MA53938
(3) Instrument QC Batch: MA53941
(4) Prep QC Batch: MP38708
(5) Prep QC Batch: MP38741

RL = Reporting Limit

Report of Analysis

Client Sample ID: LR-SED5-032423
Lab Sample ID: JD62646-4
Matrix: SO - Sediment
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 74.9

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.29	0.29	mg/kg	1	03/29/23 12:24	MM	SW846 9012B/LACHAT
Solids, Percent	74.9		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	9560	130	mg/kg	1	03/28/23 16:15	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW6-032423		
Lab Sample ID:	JD62646-5	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115254.D	2	04/03/23 15:19	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.20	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		23-127%
321-60-8	2-Fluorobiphenyl	51%		23-114%
1718-51-0	Terphenyl-d14	40%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-SED6-032423
Lab Sample ID: JD62646-6
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 32.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163250.D	1	03/30/23 16:45	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.068	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		10-109%
321-60-8	2-Fluorobiphenyl	78%		11-109%
1718-51-0	Terphenyl-d14	80%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED6-032423		
Lab Sample ID:	JD62646-6	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
		Percent Solids:	32.1
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	32.1		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	163000	310	mg/kg	1	03/28/23 16:40	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D187640.D	1	04/04/23 18:28	PS	n/a	n/a	V3D7892
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	13.0	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	109%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR1301.D	1	04/03/23 11:56	KH	03/31/23 08:30	OP45524	ECR51
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND UJ	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND UJ	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND UJ	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol [b]	ND UJ	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	0.19	1.0	0.19	ug/l	J
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND UJ	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate [a]	ND UJ	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ALH 7/3/23

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW-INT-032423
Lab Sample ID: JD62646-7
Matrix: AQ - Surface Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND UJ	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND UJ	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	4.2	2.0	0.50	ug/l	B
117-84-0	Di-n-octyl phthalate	ND UJ	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene [b]	ND UJ	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		10-71%

ALH 7/3/23

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	21%		10-58%
118-79-6	2,4,6-Tribromophenol	80%		22-144%
4165-60-0	Nitrobenzene-d5	63%		28-118%
321-60-8	2-Fluorobiphenyl	61%		34-116%
1718-51-0	Terphenyl-d14	47%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	2.40	8.3	ug/l	J
	unknown	2.54	7.1	ug/l	J
	Internal standard added for SIM test	3.50	4.1	ug/l	J
	Internal standard added for SIM test	4.54	4.6	ug/l	J
85-41-6	Phthalimide	5.09	7.1	ug/l	JN
	Internal standard added for SIM test	5.56	4.8	ug/l	J
	Internal standard added for SIM test	7.41	6	ug/l	J
	unknown	9.47	6.5	ug/l	J
	unknown	9.82	4.1	ug/l	J
	unknown	10.47	9.1	ug/l	J
	unknown	10.85	8.7	ug/l	J
	Total TIC, Semi-Volatile		50.9	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

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SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115255.D	1	04/03/23 15:41	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.262	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		23-127%
321-60-8	2-Fluorobiphenyl	62%		23-114%
1718-51-0	Terphenyl-d14	41%		10-121%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4374.D	1	03/31/23 04:12	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	41	28	ug/l	
93-65-2	MCPP [a]	ND UJ	41	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND UJ	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	37%		10-150%
19719-28-9	2,4-DCAA	37%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ALH 7/3/23

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SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183855.D	1	03/29/23 02:51	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	UJ
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	UJ
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	UJ
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	UJ
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	UJ
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	28%		10-175%
877-09-8	Tetrachloro-m-xylene	29%		10-175%
2051-24-3	Decachlorobiphenyl	24%		10-128%
2051-24-3	Decachlorobiphenyl	30%		10-128%

ALH 7/3/23

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SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499314.D	1	03/29/23 05:30	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	UJ
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	28%		10-169%
877-09-8	Tetrachloro-m-xylene	27%		10-169%
2051-24-3	Decachlorobiphenyl	21%		10-130%
2051-24-3	Decachlorobiphenyl	20%		10-130%

ALH 7/3/23

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Report of Analysis

Client Sample ID: LR-SW-INT-032423
Lab Sample ID: JD62646-7
Matrix: AQ - Surface Water
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Barium	958	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	196000	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	29300	100	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Lead	18.2	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Magnesium	51800	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	1020	15	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	67200	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	57.8	20	ug/l	1	04/04/23	04/05/23	ND	SW846 6010D [3]	SW846 3010A [6]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53941
(3) Instrument QC Batch: MA53961
(4) Prep QC Batch: MP38727
(5) Prep QC Batch: MP38772
(6) Prep QC Batch: MP38816

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:46	MM	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D126559.D	1	04/03/23 19:47	BK	n/a	n/a	V4D5616
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane [b]	ND UJ	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND UJ	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.43	73	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR1302.D	1	04/03/23 12:13	KH	03/31/23 08:30	OP45524	ECR51
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	UJ
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	UJ
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	UJ
100-02-7	4-Nitrophenol [b]	ND	10	1.2	ug/l	UJ
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	UJ
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate [a]	ND	2.0	0.46	ug/l	UJ
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ALH 7/3/23

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND UJ	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND UJ	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	2.6	2.0	0.50	ug/l	B
117-84-0	Di-n-octyl phthalate	ND UJ	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene [b]	ND UJ	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-71%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%		10-58%
118-79-6	2,4,6-Tribromophenol	91%		22-144%
4165-60-0	Nitrobenzene-d5	67%		28-118%
321-60-8	2-Fluorobiphenyl	65%		34-116%
1718-51-0	Terphenyl-d14	68%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	3.50	4.1	ug/l	J
	Internal standard added for SIM test	4.54	4.9	ug/l	J
	Internal standard added for SIM test	5.56	4.6	ug/l	J
	Internal standard added for SIM test	7.41	4.5	ug/l	J
	unknown	9.47	6.8	ug/l	J
	Internal standard added for SIM test	10.06	6	ug/l	J
	unknown	11.02	4.7	ug/l	J
	Total TIC, Semi-Volatile		11.5	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115256.D	1	04/03/23 16:02	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		23-127%
321-60-8	2-Fluorobiphenyl	64%		23-114%
1718-51-0	Terphenyl-d14	60%		10-121%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4375.D	1	03/31/23 04:33	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.41	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.044	ug/l	
75-99-0	Dalapon	ND	0.082	0.062	ug/l	
1918-00-9	Dicamba	ND	0.082	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.41	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.41	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	41	28	ug/l	
93-65-2	MCPP [a]	ND UJ	41	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.082	0.042	ug/l	
94-82-6	2,4-DB	ND UJ	0.41	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	79%		10-150%
19719-28-9	2,4-DCAA	85%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ALH 7/3/23

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183856.D	1	03/29/23 03:08	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	265 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0075	0.0039	ug/l	
319-84-6	alpha-BHC	ND	0.0075	0.0039	ug/l	
319-85-7	beta-BHC	ND	0.0075	0.0060	ug/l	
319-86-8	delta-BHC	ND	0.0075	0.0050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0075	0.0045	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0075	0.0037	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0075	0.0032	ug/l	
60-57-1	Dieldrin	ND	0.0075	0.0058	ug/l	
72-54-8	4,4'-DDD	ND	0.0075	0.0043	ug/l	
72-55-9	4,4'-DDE	ND	0.0075	0.0038	ug/l	UJ
50-29-3	4,4'-DDT	ND	0.0075	0.0052	ug/l	
72-20-8	Endrin	ND	0.0075	0.0046	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0075	0.0041	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0075	0.0051	ug/l	UJ
53494-70-5	Endrin ketone	ND	0.0075	0.0047	ug/l	UJ
959-98-8	Endosulfan-I	ND	0.0075	0.0040	ug/l	UJ
33213-65-9	Endosulfan-II	ND	0.0075	0.0037	ug/l	
76-44-8	Heptachlor	ND	0.0075	0.0034	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0075	0.0045	ug/l	
72-43-5	Methoxychlor	ND	0.015	0.0051	ug/l	UJ
8001-35-2	Toxaphene	ND	0.19	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		10-175%
877-09-8	Tetrachloro-m-xylene	74%		10-175%
2051-24-3	Decachlorobiphenyl	72%		10-128%
2051-24-3	Decachlorobiphenyl	99%		10-128%

ALH 7/3/23

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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499315.D	1	03/29/23 05:47	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	265 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.38	0.15	ug/l	
11104-28-2	Aroclor 1221	ND	0.38	0.32	ug/l	
11141-16-5	Aroclor 1232	ND	0.38	0.20	ug/l	
53469-21-9	Aroclor 1242	ND	0.38	0.17	ug/l	
12672-29-6	Aroclor 1248	ND	0.38	0.095	ug/l	
11097-69-1	Aroclor 1254	ND	0.38	0.31	ug/l	
11096-82-5	Aroclor 1260	ND	0.38	0.11	ug/l	UJ
11100-14-4	Aroclor 1268	ND	0.38	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.38	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		10-169%
877-09-8	Tetrachloro-m-xylene	70%		10-169%
2051-24-3	Decachlorobiphenyl	66%		10-130%
2051-24-3	Decachlorobiphenyl	60%		10-130%

ALH 7/3/23

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-8
Matrix: AQ - Surface Water
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	83500	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	257	100	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	27300	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	44.4	15	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	66300	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53941
(3) Prep QC Batch: MP38727
(4) Prep QC Batch: MP38772

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:49	MM	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C182477.D	1	04/04/23 13:51	PS	n/a	n/a	V3C7986
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	0.0620 J	0.013	0.0053	mg/kg	
71-43-2	Benzene	ND	0.00064	0.00058	mg/kg	
74-97-5	Bromochloromethane	ND	0.0064	0.00071	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0025	0.00055	mg/kg	
75-25-2	Bromoform	ND	0.0064	0.0017	mg/kg	
74-83-9	Bromomethane [b]	ND UJ	0.0064	0.00097	mg/kg	
78-93-3	2-Butanone (MEK)	0.0061	0.013	0.0031	mg/kg	J
75-15-0	Carbon disulfide	ND	0.0025	0.00068	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0025	0.00079	mg/kg	
108-90-7	Chlorobenzene	ND	0.0025	0.00058	mg/kg	
75-00-3	Chloroethane	ND	0.0064	0.00075	mg/kg	
67-66-3	Chloroform	ND	0.0025	0.00066	mg/kg	
74-87-3	Chloromethane	ND	0.0064	0.0025	mg/kg	
110-82-7	Cyclohexane	ND	0.0025	0.00084	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0025	0.00088	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0025	0.00071	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0013	0.00054	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0013	0.00070	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0013	0.00063	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0013	0.00063	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0064	0.00093	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0013	0.00063	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0013	0.00060	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0013	0.00083	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0013	0.0011	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0013	0.00078	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0025	0.00060	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0025	0.00060	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0025	0.00058	mg/kg	
100-41-4	Ethylbenzene	ND	0.0013	0.00058	mg/kg	
76-13-1	Freon 113	ND	0.0064	0.0034	mg/kg	
591-78-6	2-Hexanone	ND	0.0064	0.0027	mg/kg	

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0025	0.0018	mg/kg	
79-20-9	Methyl Acetate	0.0026 J	0.0064	0.0018	mg/kg	J
108-87-2	Methylcyclohexane	ND	0.0025	0.0011	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0013	0.00060	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0064	0.0029	mg/kg	
75-09-2	Methylene chloride	ND	0.0064	0.0033	mg/kg	
100-42-5	Styrene	ND	0.0025	0.00051	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0025	0.00076	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0025	0.00074	mg/kg	
108-88-3	Toluene	ND	0.0013	0.00067	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0064	0.0032	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0064	0.0032	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0025	0.00061	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0025	0.00071	mg/kg	
79-01-6	Trichloroethene	ND	0.0013	0.00097	mg/kg	
75-69-4	Trichlorofluoromethane [b]	ND UJ	0.0064	0.00087	mg/kg	
75-01-4	Vinyl chloride	ND	0.0025	0.00061	mg/kg	
	m,p-Xylene	ND	0.0013	0.0011	mg/kg	
95-47-6	o-Xylene	ND	0.0013	0.00058	mg/kg	
1330-20-7	Xylene (total)	ND	0.0013	0.00058	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	101%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	97%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Associated CCV outside of control limits high.
(b) Associated CCV outside of control limits low. No sensitivity check provided.

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163251.D	1	03/30/23 17:10	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.085	0.021	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.026	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.036	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.076	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.21	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.21	0.046	mg/kg	
95-48-7	2-Methylphenol	ND	0.085	0.027	mg/kg	
	3&4-Methylphenol	ND	0.085	0.035	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.028	mg/kg	
100-02-7	4-Nitrophenol	ND	0.43	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.040	mg/kg	
108-95-2	Phenol	ND	0.085	0.022	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.028	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.032	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.025	mg/kg	
83-32-9	Acenaphthene	ND	0.043	0.015	mg/kg	
208-96-8	Acenaphthylene	ND	0.043	0.022	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0092	mg/kg	
120-12-7	Anthracene	ND	0.043	0.026	mg/kg	
1912-24-9	Atrazine	ND	0.085	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.043	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.043	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.043	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.043	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.043	0.020	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.085	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.085	0.010	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.085	0.0058	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.085	0.010	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.015	mg/kg	
86-74-8	Carbazole	ND	0.085	0.0062	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-9
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 77.0

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.085	0.017	mg/kg	
218-01-9	Chrysene	ND	0.043	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.085	0.0091	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.085	0.018	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.085	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.085	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.043	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.043	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.085	0.036	mg/kg	
123-91-1	1,4-Dioxane	ND	0.043	0.028	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.043	0.019	mg/kg	
132-64-9	Dibenzofuran	ND	0.085	0.017	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.085	0.0069	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.085	0.011	mg/kg	
84-66-2	Diethyl phthalate	ND	0.085	0.0091	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.085	0.0076	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.085	0.010	mg/kg	
206-44-0	Fluoranthene	ND	0.043	0.019	mg/kg	
86-73-7	Fluorene	ND	0.043	0.020	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.085	0.011	mg/kg	
87-68-3	Hexachlorobutadiene [a]	ND	0.043	0.017	mg/kg	UJ
77-47-4	Hexachlorocyclopentadiene [b]	ND	0.43	0.017	mg/kg	UJ
67-72-1	Hexachloroethane	ND	0.21	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.043	0.020	mg/kg	
78-59-1	Isophorone	ND	0.085	0.0091	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.043	0.0096	mg/kg	
88-74-4	2-Nitroaniline	ND	0.21	0.010	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.011	mg/kg	
100-01-6	4-Nitroaniline [b]	ND	0.21	0.011	mg/kg	UJ
91-20-3	Naphthalene	ND	0.043	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.085	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.085	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.016	mg/kg	
85-01-8	Phenanthrene	ND	0.043	0.014	mg/kg	
129-00-0	Pyrene	ND	0.043	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		10-99%

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	67%		10-96%
118-79-6	2,4,6-Tribromophenol	102%		10-123%
4165-60-0	Nitrobenzene-d5	80%		10-109%
321-60-8	2-Fluorobiphenyl	78%		11-109%
1718-51-0	Terphenyl-d14	81%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.56	.19	mg/kg	J
	System artifact/aldol-condensation	3.61	.21	mg/kg	J
	system artifact	4.33	.32	mg/kg	J
	Unknown	9.41	.22	mg/kg	J
	Unknown	9.46	.42	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.52	.53	mg/kg	JN
	Unknown	13.48	.99	mg/kg	J
	Unknown	13.54	.4	mg/kg	J
	Unknown	13.76	.71	mg/kg	J
	Unknown	13.89	.26	mg/kg	J
	Unknown	14.22	.24	mg/kg	J
	Alkane	14.48	.42	mg/kg	J
	Unknown	15.13	.17	mg/kg	J
	Alkane	15.37	.4	mg/kg	J
	Unknown	15.41	.2	mg/kg	J
	Unknown	15.48	.27	mg/kg	J
59-02-9	Vitamin E	15.58	.22	mg/kg	JN
	Sitosterol	16.69	.59	mg/kg	J
	Total TIC, Semi-Volatile		6.04	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-9
Matrix: SO - Sediment
Method: SW846 8151A SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 77.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165791.D	1	03/30/23 22:20	RK	03/29/23 14:00	OP45519	GOA5863
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.022	0.012	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND UJ	0.0043	0.0024	mg/kg	
93-76-5	2,4,5-T	ND UJ	0.0043	0.0021	mg/kg	
75-99-0	Dalapon	ND	0.0043	0.0026	mg/kg	
1918-00-9	Dicamba	ND	0.0043	0.0022	mg/kg	
120-36-5	Dichloroprop	ND	0.022	0.012	mg/kg	
88-85-7	Dinoseb	ND UJ	0.022	0.014	mg/kg	
94-74-6	MCPA	ND UJ	2.2	1.2	mg/kg	
93-65-2	MCPP	ND	2.2	1.8	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0022	0.00070	mg/kg	
94-82-6	2,4-DB	ND UJ	0.022	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	29%		10-138%
19719-28-9	2,4-DCAA	47%		10-138%

ALH 7/3/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3546	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G90007.D	1	04/06/23 04:23	CP	03/30/23 14:00	OP45513	G6G3264
Run #2	6G89878.D	1	04/01/23 09:13	RK	03/30/23 14:00	OP45513	G6G3259

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2	16.0 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND UJ	0.00081	0.00067	mg/kg	
319-84-6	alpha-BHC	ND	0.00081	0.00066	mg/kg	
319-85-7	beta-BHC	ND [a] UJ	0.00081	0.00073	mg/kg	
319-86-8	delta-BHC	ND	0.00081	0.00078	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00081	0.00060	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00081	0.00066	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00081	0.00037	mg/kg	
60-57-1	Dieldrin	ND	0.00081	0.00056	mg/kg	
72-54-8	4,4'-DDD	ND	0.00081	0.00075	mg/kg	
72-55-9	4,4'-DDE	ND [a]	0.00081	0.00071	mg/kg	
50-29-3	4,4'-DDT	ND [a] UJ	0.00081	0.00072	mg/kg	
72-20-8	Endrin	ND	0.00081	0.00063	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00081	0.00063	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00081	0.00046	mg/kg	
959-98-8	Endosulfan-I	ND	0.00081	0.00047	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00081	0.00051	mg/kg	
76-44-8	Heptachlor	ND	0.00081	0.00070	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00081	0.00057	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00065	mg/kg	
53494-70-5	Endrin ketone	ND	0.00081	0.00059	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	39%	40%	13-162%
877-09-8	Tetrachloro-m-xylene	43%	44%	13-162%
2051-24-3	Decachlorobiphenyl	30%	34%	10-180%
2051-24-3	Decachlorobiphenyl	52%	53%	10-180%

(a) Result is from Run# 2

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499441.D	1	03/31/23 11:31	MLC	03/30/23 14:00	OP45514	GXX8135
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND UJ	0.041	0.019	mg/kg	
11104-28-2	Aroclor 1221	ND	0.041	0.025	mg/kg	
11141-16-5	Aroclor 1232	ND	0.041	0.026	mg/kg	
53469-21-9	Aroclor 1242	ND	0.041	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.041	0.036	mg/kg	
11097-69-1	Aroclor 1254	ND	0.041	0.022	mg/kg	
11096-82-5	Aroclor 1260	ND UJ	0.041	0.017	mg/kg	
11100-14-4	Aroclor 1268	ND	0.041	0.017	mg/kg	
37324-23-5	Aroclor 1262	ND	0.041	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		10-174%
877-09-8	Tetrachloro-m-xylene	89%		10-174%
2051-24-3	Decachlorobiphenyl	82%		10-195%
2051-24-3	Decachlorobiphenyl	82%		10-195%

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-9
Matrix: SO - Sediment
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 77.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5840	44	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 1.8	1.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	2.0	1.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	26.6	18	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.28	0.18	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.44	0.44	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	20000	890	mg/kg	2	03/29/23	03/31/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	8.7	0.89	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 4.4	4.4	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	10.4	2.2	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	10700	44	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	5.5	1.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	6840	440	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	179	1.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.039	0.039	mg/kg	1	03/30/23	03/31/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	9.1	3.6	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	1130	890	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 1.8	1.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.44	0.44	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 890	890	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 0.89	0.89	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	12.9	4.4	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	33.4	4.4	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA53929
(2) Instrument QC Batch: MA53938
(3) Instrument QC Batch: MA53941
(4) Prep QC Batch: MP38708
(5) Prep QC Batch: MP38741

RL = Reporting Limit

Report of Analysis

Client Sample ID: LR-DUP-032423
Lab Sample ID: JD62646-9
Matrix: SO - Sediment
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 77.0

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.31	0.31	mg/kg	1	03/29/23 12:24	MM	SW846 9012B/LACHAT
Solids, Percent	77		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW7-032423		
Lab Sample ID:	JD62646-10	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115257.D	1	04/03/23 16:24	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		23-127%
321-60-8	2-Fluorobiphenyl	61%		23-114%
1718-51-0	Terphenyl-d14	55%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW8-032423		
Lab Sample ID:	JD62646-11	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115258.D	1	04/03/23 16:46	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		23-127%
321-60-8	2-Fluorobiphenyl	65%		23-114%
1718-51-0	Terphenyl-d14	60%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-SED8-032423
Lab Sample ID: JD62646-12
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 76.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163252.D	1	03/30/23 17:34	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.041	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		10-109%
321-60-8	2-Fluorobiphenyl	81%		11-109%
1718-51-0	Terphenyl-d14	80%		10-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED8-032423
Lab Sample ID: JD62646-12
Matrix: SO - Sediment
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 76.9

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	76.9		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	9020	130	mg/kg	1	03/28/23 16:53	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D126560.D	1	04/03/23 20:16	BK	n/a	n/a	V4D5616
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND UJ	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane [b]	ND UJ	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND UJ	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ALH 7/3/23

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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.43	68	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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RL = Reporting Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR1303.D	1	04/03/23 12:30	KH	03/31/23 08:30	OP45524	ECR51
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND UJ	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND UJ	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol [a]	ND UJ	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol [b]	ND UJ	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.22	ug/l	
1912-24-9	Atrazine	ND UJ	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate [c]	0.57 J	2.1	0.48	ug/l	J
92-52-4	1,1'-Biphenyl	ND	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND	1.1	0.24	ug/l	

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW9-032423
Lab Sample ID: JD62646-13
Matrix: AQ - Surface Water
Method: SW846 8270E SW846 3510C
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND UJ	2.1	0.68	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND UJ	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	2.7	2.1	0.52	ug/l	B
117-84-0	Di-n-octyl phthalate	ND UJ	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene [b]	ND UJ	11	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	ND	1.1	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.18	ug/l	
129-00-0	Pyrene	ND	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	25%		10-71%

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	17%		10-58%
118-79-6	2,4,6-Tribromophenol	76%		22-144%
4165-60-0	Nitrobenzene-d5	71%		28-118%
321-60-8	2-Fluorobiphenyl	69%		34-116%
1718-51-0	Terphenyl-d14	58%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	2.40	8.1	ug/l	J
	unknown	2.54	6.8	ug/l	J
	Internal standard added for SIM test	3.50	4.3	ug/l	J
	Internal standard added for SIM test	4.54	4.7	ug/l	J
	Internal standard added for SIM test	5.56	4.8	ug/l	J
	Internal standard added for SIM test	7.41	4.8	ug/l	J
	unknown	9.47	11	ug/l	J
	Internal standard added for SIM test	10.06	4.7	ug/l	J
	Total TIC, Semi-Volatile		25.9	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(c) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M115259.D	1	04/03/23 17:08	JY	03/31/23 08:30	OP45524A	E4M5375
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.11	0.053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		23-127%
321-60-8	2-Fluorobiphenyl	71%		23-114%
1718-51-0	Terphenyl-d14	52%		10-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G4376.D	1	03/31/23 04:55	RK	03/28/23 12:00	OP45495	G9G232
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND UJ	0.40	0.19	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.043	ug/l	
75-99-0	Dalapon	ND	0.080	0.060	ug/l	
1918-00-9	Dicamba	ND	0.080	0.025	ug/l	
120-36-5	Dichloroprop	ND	0.40	0.16	ug/l	
88-85-7	Dinoseb	ND UJ	0.40	0.16	ug/l	
94-74-6	MCPA [a]	ND UJ	40	27	ug/l	
93-65-2	MCPP [a]	ND UJ	40	26	ug/l	
87-86-5	Pentachlorophenol	ND	0.080	0.041	ug/l	
94-82-6	2,4-DB	ND UJ	0.40	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	31%		10-150%
19719-28-9	2,4-DCAA	51%		10-150%

(a) Associated CCV outside of control limits high, sample was ND.

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G183857.D	1	03/29/23 03:25	RK	03/28/23 06:50	OP45491	G1G6439
Run #2							

	Initial Volume	Final Volume
Run #1	260 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0077	0.0040	ug/l	
319-84-6	alpha-BHC	ND	0.0077	0.0040	ug/l	
319-85-7	beta-BHC	ND	0.0077	0.0061	ug/l	
319-86-8	delta-BHC	ND	0.0077	0.0051	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0077	0.0046	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0077	0.0038	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0077	0.0033	ug/l	
60-57-1	Dieldrin	ND	0.0077	0.0059	ug/l	
72-54-8	4,4'-DDD	ND	0.0077	0.0044	ug/l	
72-55-9	4,4'-DDE	ND	0.0077	0.0039	ug/l	UJ
50-29-3	4,4'-DDT	ND	0.0077	0.0053	ug/l	
72-20-8	Endrin	ND	0.0077	0.0047	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0077	0.0042	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0077	0.0052	ug/l	UJ
53494-70-5	Endrin ketone	ND	0.0077	0.0048	ug/l	UJ
959-98-8	Endosulfan-I	ND	0.0077	0.0041	ug/l	UJ
33213-65-9	Endosulfan-II	ND	0.0077	0.0038	ug/l	
76-44-8	Heptachlor	ND	0.0077	0.0035	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0077	0.0046	ug/l	
72-43-5	Methoxychlor	ND	0.015	0.0052	ug/l	UJ
8001-35-2	Toxaphene	ND	0.19	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		10-175%
877-09-8	Tetrachloro-m-xylene	109%		10-175%
2051-24-3	Decachlorobiphenyl	90%		10-128%
2051-24-3	Decachlorobiphenyl	121%		10-128%

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2499316.D	1	03/29/23 06:04	RK	03/28/23 06:50	OP45492	GXX8132
Run #2							

	Initial Volume	Final Volume
Run #1	260 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.38	0.15	ug/l	
11104-28-2	Aroclor 1221	ND	0.38	0.32	ug/l	
11141-16-5	Aroclor 1232	ND	0.38	0.20	ug/l	
53469-21-9	Aroclor 1242	ND	0.38	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.38	0.097	ug/l	
11097-69-1	Aroclor 1254	ND	0.38	0.32	ug/l	
11096-82-5	Aroclor 1260	ND	0.38	0.12	ug/l	UJ
11100-14-4	Aroclor 1268	ND	0.38	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.38	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		10-169%
877-09-8	Tetrachloro-m-xylene	70%		10-169%
2051-24-3	Decachlorobiphenyl	58%		10-130%
2051-24-3	Decachlorobiphenyl	54%		10-130%

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SW9-032423
Lab Sample ID: JD62646-13
Matrix: AQ - Surface Water
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	81500	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	1650	100	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	3.8	3.0	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	25700	5000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	124	15	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	03/31/23	03/31/23	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	67600	10000	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	03/30/23	03/31/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA53937
(2) Instrument QC Batch: MA53941
(3) Prep QC Batch: MP38727
(4) Prep QC Batch: MP38772

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
		Percent Solids:	n/a
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	03/29/23 12:50	MM	EPA 335.4/LACHAT

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	I249331.D	1	04/05/23 17:09	CL	n/a	n/a	VI10124
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.136 J	0.043	0.018	mg/kg	
71-43-2	Benzene	ND UJ	0.0021	0.0020	mg/kg	
74-97-5	Bromochloromethane	ND	0.021	0.0024	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0086	0.0018	mg/kg	
75-25-2	Bromoform	ND	0.021	0.0058	mg/kg	
74-83-9	Bromomethane	ND	0.021	0.0033	mg/kg	
78-93-3	2-Butanone (MEK)	0.0391 J	0.043	0.010	mg/kg	J
75-15-0	Carbon disulfide [b]	ND UJ	0.0086	0.0023	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0086	0.0026	mg/kg	
108-90-7	Chlorobenzene	ND	0.0086	0.0020	mg/kg	
75-00-3	Chloroethane	ND	0.021	0.0025	mg/kg	
67-66-3	Chloroform	ND	0.0086	0.0022	mg/kg	
74-87-3	Chloromethane	ND	0.021	0.0084	mg/kg	
110-82-7	Cyclohexane	ND	0.0086	0.0028	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0086	0.0030	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0086	0.0024	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0043	0.0018	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0043	0.0023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0043	0.0021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0043	0.0021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.021	0.0031	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0043	0.0021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0043	0.0020	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0043	0.0028	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0043	0.0036	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0043	0.0026	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0086	0.0020	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0086	0.0020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0086	0.0020	mg/kg	
100-41-4	Ethylbenzene	ND	0.0043	0.0019	mg/kg	
76-13-1	Freon 113	ND	0.021	0.011	mg/kg	
591-78-6	2-Hexanone	ND	0.021	0.0091	mg/kg	

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8260D	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND UJ	0.0086	0.0061	mg/kg	
79-20-9	Methyl Acetate	ND	0.021	0.0060	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0086	0.0038	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0043	0.0020	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.021	0.0097	mg/kg	
75-09-2	Methylene chloride	ND	0.021	0.011	mg/kg	
100-42-5	Styrene	ND	0.0086	0.0017	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane [b]	ND	0.0086	0.0026	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0086	0.0025	mg/kg	
108-88-3	Toluene	ND	0.0043	0.0023	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.021	0.011	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.021	0.011	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0086	0.0021	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0086	0.0024	mg/kg	
79-01-6	Trichloroethene	ND	0.0043	0.0033	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.021	0.0029	mg/kg	
75-01-4	Vinyl chloride	ND	0.0086	0.0021	mg/kg	
	m,p-Xylene	ND	0.0043	0.0038	mg/kg	
95-47-6	o-Xylene	ND	0.0043	0.0020	mg/kg	
1330-20-7	Xylene (total)	ND	0.0043	0.0020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-124%
17060-07-0	1,2-Dichloroethane-D4	108%		75-133%
2037-26-5	Toluene-D8	101%		79-125%
460-00-4	4-Bromofluorobenzene	103%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Sample analyzed from intact soil jar due to no DI vails available for reanalysis.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z163253.D	1	03/30/23 17:58	GA	03/29/23 14:30	OP45501	EZ8086
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.27	0.067	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.68	0.083	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.68	0.12	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.68	0.24	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.68	0.51	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.68	0.15	mg/kg	
95-48-7	2-Methylphenol	ND	0.27	0.087	mg/kg	
	3&4-Methylphenol	ND	0.27	0.11	mg/kg	
88-75-5	2-Nitrophenol	ND	0.68	0.090	mg/kg	
100-02-7	4-Nitrophenol	ND	1.4	0.36	mg/kg	
87-86-5	Pentachlorophenol	ND	0.54	0.13	mg/kg	
108-95-2	Phenol	ND	0.27	0.071	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.68	0.090	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.68	0.10	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.68	0.081	mg/kg	
83-32-9	Acenaphthene	ND	0.14	0.047	mg/kg	
208-96-8	Acenaphthylene	ND	0.14	0.069	mg/kg	
98-86-2	Acetophenone	ND	0.68	0.029	mg/kg	
120-12-7	Anthracene	ND	0.14	0.083	mg/kg	
1912-24-9	Atrazine	ND	0.27	0.058	mg/kg	
56-55-3	Benzo(a)anthracene	0.109	0.14	0.038	mg/kg	J
50-32-8	Benzo(a)pyrene	0.127	0.14	0.062	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.146	0.14	0.060	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.102	0.14	0.068	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.14	0.063	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.27	0.052	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.27	0.033	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.27	0.019	mg/kg	
100-52-7	Benzaldehyde	ND	0.68	0.034	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.27	0.032	mg/kg	
106-47-8	4-Chloroaniline	ND	0.68	0.049	mg/kg	
86-74-8	Carbazole	ND	0.27	0.020	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED9-032423
Lab Sample ID: JD62646-14
Matrix: SO - Sediment
Method: SW846 8270E SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 23.8

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.27	0.054	mg/kg	
218-01-9	Chrysene	0.119	0.14	0.043	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.27	0.029	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.27	0.058	mg/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	0.27	0.049	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.27	0.044	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.14	0.042	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.14	0.068	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.27	0.11	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	0.090	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.14	0.060	mg/kg	
132-64-9	Dibenzofuran	ND	0.27	0.055	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.27	0.022	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.27	0.034	mg/kg	
84-66-2	Diethyl phthalate	ND	0.27	0.029	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.27	0.024	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.27	0.032	mg/kg	
206-44-0	Fluoranthene	0.257	0.14	0.060	mg/kg	
86-73-7	Fluorene	ND	0.14	0.062	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.27	0.034	mg/kg	
87-68-3	Hexachlorobutadiene [a]	ND UJ	0.14	0.054	mg/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND UJ	1.4	0.054	mg/kg	
67-72-1	Hexachloroethane	ND	0.68	0.067	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0984	0.14	0.064	mg/kg	J
78-59-1	Isophorone	ND	0.27	0.029	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.14	0.031	mg/kg	
88-74-4	2-Nitroaniline	ND	0.68	0.032	mg/kg	
99-09-2	3-Nitroaniline	ND	0.68	0.034	mg/kg	
100-01-6	4-Nitroaniline [b]	ND UJ	0.68	0.035	mg/kg	
91-20-3	Naphthalene	ND	0.14	0.038	mg/kg	
98-95-3	Nitrobenzene	ND	0.27	0.052	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.27	0.039	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.68	0.050	mg/kg	
85-01-8	Phenanthrene	0.175	0.14	0.046	mg/kg	
129-00-0	Pyrene	0.228	0.14	0.043	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.68	0.034	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		10-99%

ALH 7/3/23

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	58%		10-96%
118-79-6	2,4,6-Tribromophenol	94%		10-123%
4165-60-0	Nitrobenzene-d5	74%		10-109%
321-60-8	2-Fluorobiphenyl	73%		11-109%
1718-51-0	Terphenyl-d14	76%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	3.61	1.8	mg/kg	J
	Unknown	8.34	4.8	mg/kg	J
	Unknown	8.56	2.5	mg/kg	J
	Unknown	9.41	2.5	mg/kg	J
	Unknown	9.46	1.3	mg/kg	J
57-10-3	n-Hexadecanoic acid	9.52	3	mg/kg	JN
	Unknown	9.77	1.1	mg/kg	J
	Unknown	10.16	2.2	mg/kg	J
	Alkane	12.53	1.2	mg/kg	J
	Unknown	13.35	1.2	mg/kg	J
	Alkane	13.54	3.1	mg/kg	J
	Alkane	14.48	6.8	mg/kg	J
	Unknown	15.14	12	mg/kg	J
7616-22-0	.gamma.-Tocopherol.	15.23	1.3	mg/kg	JN
	alkane	15.37	4.2	mg/kg	J
	Unknown	15.41	1.7	mg/kg	J
	Unknown	15.48	1.3	mg/kg	J
59-02-9	Vitamin E	15.58	3	mg/kg	JN
	Stigmasterol	16.34	1	mg/kg	J
	Alkane	16.36	1.1	mg/kg	J
	Unknown	16.45	1.3	mg/kg	J
	Sitosterol	16.70	5.7	mg/kg	J
	Unknown	16.79	1.4	mg/kg	J
	Unknown	16.84	1.6	mg/kg	J
	Unknown	17.05	9.6	mg/kg	J
	Unknown	17.13	1.1	mg/kg	J
	Total TIC, Semi-Volatile		76	mg/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8151A SW846 3546	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA165792.D	1	03/30/23 22:43	RK	03/29/23 14:00	OP45519	GOA5863
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.066	0.036	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND UJ	0.013	0.0074	mg/kg	
93-76-5	2,4,5-T	ND UJ	0.013	0.0065	mg/kg	
75-99-0	Dalapon	ND	0.013	0.0080	mg/kg	
1918-00-9	Dicamba	ND	0.013	0.0068	mg/kg	
120-36-5	Dichloroprop	ND	0.066	0.035	mg/kg	
88-85-7	Dinoseb	ND UJ	0.066	0.041	mg/kg	
94-74-6	MCPA	ND UJ	6.6	3.6	mg/kg	
93-65-2	MCPP	ND	6.6	5.5	mg/kg	
87-86-5	Pentachlorophenol	ND	0.0066	0.0021	mg/kg	
94-82-6	2,4-DB	ND UJ	0.066	0.036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	311% [a]		10-138%
19719-28-9	2,4-DCAA	224% [a]		10-138%

(a) Outside of in house control limits.

ALH 7/3/23

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: LR-SED9-032423
Lab Sample ID: JD62646-14
Matrix: SO - Sediment
Method: SW846 8081B SW846 3546
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 23.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G89976.D	1	04/05/23 07:15	AB	03/30/23 14:00	OP45513	G6G3263
Run #2	6G89879.D	1	04/01/23 09:31	RK	03/30/23 14:00	OP45513	G6G3259

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2	15.9 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND UJ	0.0026	0.0022	mg/kg	
319-84-6	alpha-BHC	ND	0.0026	0.0021	mg/kg	
319-85-7	beta-BHC	ND UJ	0.0026	0.0024	mg/kg	
319-86-8	delta-BHC	ND	0.0026	0.0025	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0026	0.0019	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.0026	0.0021	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.0026	0.0012	mg/kg	
60-57-1	Dieldrin [a]	0.0032 [b] J	0.0026	0.0018	mg/kg	
72-54-8	4,4'-DDD	ND UJ	0.0026	0.0024	mg/kg	
72-55-9	4,4'-DDE	ND	0.0026	0.0023	mg/kg	
50-29-3	4,4'-DDT	ND	0.0026	0.0023	mg/kg	
72-20-8	Endrin	ND	0.0026	0.0021	mg/kg	
1031-07-8	Endosulfan sulfate	ND [b]	0.0026	0.0021	mg/kg	
7421-93-4	Endrin aldehyde	ND UJ	0.0026	0.0015	mg/kg	
959-98-8	Endosulfan-I	ND	0.0026	0.0015	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0026	0.0016	mg/kg	
76-44-8	Heptachlor	ND	0.0026	0.0023	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0026	0.0019	mg/kg	
72-43-5	Methoxychlor	ND	0.0053	0.0021	mg/kg	
53494-70-5	Endrin ketone	ND	0.0026	0.0019	mg/kg	
8001-35-2	Toxaphene	ND	0.066	0.062	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%	78%	13-162%
877-09-8	Tetrachloro-m-xylene	86%	85%	13-162%
2051-24-3	Decachlorobiphenyl	56%	59%	10-180%
2051-24-3	Decachlorobiphenyl	106%	86%	10-180%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Result is from Run# 2

ALH 7/3/23

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	XX2499517.D	1	04/03/23 22:33	RK	03/30/23 14:00	OP45514	GXX8137
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.13	0.062	mg/kg	
11104-28-2	Aroclor 1221	ND	0.13	0.082	mg/kg	
11141-16-5	Aroclor 1232	ND	0.13	0.084	mg/kg	
53469-21-9	Aroclor 1242	ND	0.13	0.054	mg/kg	
12672-29-6	Aroclor 1248	ND	0.13	0.12	mg/kg	
11097-69-1	Aroclor 1254	ND	0.13	0.071	mg/kg	
11096-82-5	Aroclor 1260	ND UJ	0.13	0.056	mg/kg	
11100-14-4	Aroclor 1268	ND	0.13	0.056	mg/kg	
37324-23-5	Aroclor 1262	ND	0.13	0.086	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		10-174%
877-09-8	Tetrachloro-m-xylene	93%		10-174%
2051-24-3	Decachlorobiphenyl	84%		10-195%
2051-24-3	Decachlorobiphenyl	87%		10-195%

(a) Had TBA cleanup.

ALH 7/3/23

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: LR-SED9-032423
Lab Sample ID: JD62646-14
Matrix: SO - Sediment
Project: Lyndon Road Landfill

Date Sampled: 03/24/23
Date Received: 03/25/23
Percent Solids: 23.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5130	140	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 5.8	5.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 5.8	5.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	214	58	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.58	0.58	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 1.4	1.4	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	16600	1400	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	8.5	2.9	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 14	14	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	17.4	7.2	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	12500	140	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	204	5.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3880	1400	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	162	4.3	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.15	0.11	mg/kg	1	03/30/23	03/31/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	< 12	12	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 2900	2900	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 5.8	5.8	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 1.4	1.4	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 2900	2900	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 2.9	2.9	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	< 14	14	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	244	14	mg/kg	1	03/29/23	03/30/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA53929
(2) Instrument QC Batch: MA53938
(3) Prep QC Batch: MP38708
(4) Prep QC Batch: MP38741

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
		Percent Solids:	23.8
Project:	Lyndon Road Landfill		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.87	0.87	mg/kg	1	03/29/23 12:27	MM	SW846 9012B/LACHAT
Solids, Percent	23.8		%	1	03/28/23 17:20	MP	SM2540 G 18TH ED MOD
Total Organic Carbon	116000	420	mg/kg	1	03/28/23 17:36	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

VALIDATA
Chemical Services, Inc.
2159 Wynnton Pointe, Duluth, GA 30097
(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Water, Surface Water and Sediment
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD62646
SAMPLING DATE(S):	March 24, 2023
REPORT DATE:	June 28, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
LR-EB032423	JD62646-2	X
LR-SW5-032423	JD62646-3A	X
LR-SED5-032423	JD62646-4A	X
LR-SW6-032423	JD62646-5A	X
LR-SED6-032423	JD62646-6A	X
LR-SED6-032423MS	JD62646-6AMS	X
LR-SED6-032423MSD	JD62646-6AMSD	X
LR-SW-INT-032423	JD62646-7A	X
LR-SW-INT-032423MS	JD62646-7AMS	X
LR-SW-INT-032423MSD	JD62646-7AMSD	X
LR-LR-DUP-032423	JD62646-8A	X
LR-LR-DUP-032423	JD62646-9A	X
LR-SW7-032423	JD62646-10A	X
LR-SW8-032423	JD62646-11A	X
LR-SED8-032423	JD62646-12A	X
LR-SW9-032423	JD62646-13A	X
LR-SED9-032423	JD62646-14A	X
LR-SED9-032423MS	JD62646-14AMS	X
LR-SED9-032423MSD	JD62646-14AMSD	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD62646

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all samples and method types listed on the COC.

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements. All holding times were met with the following exception:

Client ID	Lab ID	Analytes	Qualification
LR-SED9-032423	JD62646-14A	PFOA	J
		PFDA	J
		PFOS	J
		PFBA	UJ
		PFPeA	
		PFHxA	
		PFHpA	
		PFNA	
		PFUnA	
		PFDoA	
		PFTrDA	

Client ID	Lab ID	Analytes	Qualification
LR-SED9-032423	JD62646-14A	PFTeDA PFBS PFPeS PFHxS PFHpS PFNS PFDS PFDoS 4:2FTS 6:2FTS 8:2FTS PFOSA NMeFOSAA NEtFOSAA NMeFOSE NeTFOSE HFPO-DA ADONA PFMPA PFMBA NFDHA 9Cl-PF3ONS 11Cl-PF3OUdS PFEESA 3:3FTCA 5:3FTCA 7:3FTCA	UJ

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

All Continuing Calibration Verification criteria were met, with the following exception: Continuing calibration standards CC239-1 and CC239-4 reported percent differences for 7:3 FTCA > the 30% limit. The following samples are associated with these CCVs.

Client ID	Lab ID	Analyte	Qualification
LR-EB032423	JD62646-2	7:3 FTCA	UJ
LR-SW5-032423	JD62646-3A	7:3 FTCA	UJ
LR-SED5-032423	JD62646-4A	7:3 FTCA	UJ
LR-SW6-032423	JD62646-5A	7:3 FTCA	UJ
LR-SED6-032423	JD62646-6A	7:3 FTCA	UJ
LR-SW-INT-032423	JD62646-7A	7:3 FTCA	UJ
LR-LR-DUP-032423	JD62646-8A	7:3 FTCA	UJ
LR-LR-DUP-032423	JD62646-9A	7:3 FTCA	UJ

Client ID	Lab ID	Analyte	Qualification
LR-SW7-032423	JD62646-10A	7:3 FTCA	UJ
LR-SW8-032423	JD62646-11A	7:3 FTCA	UJ
LR-SED8-032423	JD62646-12A	7:3 FTCA	UJ
LR-SW9-032423	JD62646-13A	7:3 FTCA	UJ

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Method blanks, OP96193-MB, OP96227-MB, OP96295-MB were free from contamination. No qualification was made based on this finding.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued for this SDG.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Equipment blank, LR-EB-032423/JD62646-2, was free of contamination. No data were qualified based on equipment blank contamination.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed on sample LR-SED6-032423/JD62646-6A, LRSE-INT-032423/JD62646-7A, and LR-SED9-032423/JD62646-14A. All MS / MSD criteria were met, with the following exceptions: (only parent samples are qualified)

Client ID	**Lab ID**	**Analyte**	**Qualification**
LR-SW-INT-032423	JD62646-7A	PFDoS	UJ
LR-SED9-032423	JD62646-14A	PFOA	J
		PFPeS	UJ
		PFOS	J
		PFDoS	UJ
		ADONA	UJ
		NFDHA	UJ
		EtFOSAA	UJ
		11Cl-PF3ONS	UJ
		911Cl-PF3OUdS	UJ

MS/MSD quality control limits are 70-130% recovery and 30% RPD

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No qualification was made based on LCS precision.

VIII.) Field Duplicates:

There were no field duplicate samples identified in this SDG.

IX.) Extracted Internal Standards (EIS):

The following table lists the samples the EIS criteria outside the 50-150% recovery limits.

Client ID	**Lab ID**	**EIS**	**Associated Analyte**	**Qualification**
LR-SW5-032423	JD62646-3A	13C2-PFTeDA	PFTeDA	UJ
LR-SED5-032423	JD62646-4A	D7-MeFOSE	MeFOSE	UJ
		D9-EtFOSE	EtFOSE	
LR-SW-INT-032423	JD62646-7A	13C2-4:2FTS	4:2FTS	UJ
LR-LR-DUP-032423	JD62646-8A	13C2-PFTeDA	PFTeDA	UJ
LR-LR-DUP-032423	JD62646-9A	D7-MeFOSE	MeFOSE	UJ

Client ID	Lab ID	EIS	Associated Analyte	Qualification
LR-SW7-032423	JD62646-10A	13C2-PFTeDA 13C4-PFBA	PFTeDA PFBA	UJ J
LR-SW8-032423	JD62646-11A	13C2-PFTeDA	PFTeDA	UJ
LR-SED8-032423	JD62646-12A	D7-MeFOSE	MeFOSE	UJ
LR-SW9-032423	JD62646-13A	13C2-PFTeDA 13C4-PFBA	PFTeDA PFBA	UJ J
LR-SED9-032423	JD62646-14A	D9-EtFOSE	EtFOSE	UJ

X.) Ion Transitions:

All ion transition criteria were met. No qualification was necessary.

XI.) Reporting limits (RLs):

All reporting limit criteria were met. Several sample results were greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. These qualifiers were confirmed by the validator.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	LAB ID	Analyte	Qualifier
LR-SED9-032423	JD62646-14A	PFOA	J
		PFDA	J
		PFOS	J
		PFBA	UJ
		PFPeA	
		PFHxA	
		PFHpA	
		PFNA	
		PFUnA	
		PFDoA	
		PFTrDA	
		PFTeDA	
		PFBS	
		PFPeS	
		PFHxS	
		PFHpS	
		PFNS	
		PFDS	
		PFDoS	
		4:2FTS	
		6:2FTS	
		8:2FTS	
		PFOSA	
		NMeFOSAA	
		NEtFOSAA	
		NMeFOSE	
		NeTFOSE	
		HFPO-DA	
		ADONA	
		PFMPA	
		PFMBA	
		NFDHA	
		9Cl-PF3ONS	
		11Cl-PF3OUdS	
		PFEESA	
		3:3FTCA	
		5:3FTCA	
		7:3FTCA	

Client ID	LAB ID	Analyte	Qualifier
LR-EB032423	JD62646-2	7:3 FTCA	UJ
LR-SW5-032423	JD62646-3A	7:3 FTCA	UJ
LR-SED5-032423	JD62646-4A	7:3 FTCA	UJ
LR-SW6-032423	JD62646-5A	7:3 FTCA	UJ
LR-SED6-032423	JD62646-6A	7:3 FTCA	UJ
LR-SW-INT-032423	JD62646-7A	7:3 FTCA	UJ
LR-LR-DUP-032423	JD62646-8A	7:3 FTCA	UJ
LR-LR-DUP-032423	JD62646-9A	7:3 FTCA	UJ
LR-SW7-032423	JD62646-10A	7:3 FTCA	UJ
LR-SW8-032423	JD62646-11A	7:3 FTCA	UJ
LR-SED8-032423	JD62646-12A	7:3 FTCA	UJ
LR-SW9-032423	JD62646-13A	7:3 FTCA	UJ
LR-SW-INT-032423	JD62646-7A	PFDoS	UJ
LR-SED9-032423	JD62646-14A	PFOA PFPeS PFOS PFDoS ADONA NFDHA EtFOSAA 11Cl-PF3ONS 911Cl-PF3OUdS	J UJ J UJ UJ UJ UJ UJ UJ
LR-SW5-032423	JD62646-3A	PFTeDA	UJ
LR-SED5-032423	JD62646-4A	MeFOSE EtFOSE	UJ
LR-SW-INT-032423	JD62646-7A	4:2FTS	UJ
LR-LR-DUP-032423	JD62646-8A	PFTeDA	UJ
LR-LR-DUP-032423	JD62646-9A	MeFOSE	UJ
LR-SW7-032423	JD62646-10A	PFTeDA PFBA	UJ J
LR-SW8-032423	JD62646-11A	PFTeDA	UJ
LR-SED8-032423	JD62646-12A	MeFOSE	UJ
LR-SW9-032423	JD62646-13A	PFTeDA PFBA	UJ J
LR-SED9-032423	JD62646-14A	EtFOSE	UJ

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-EB-032423		
Lab Sample ID:	JD62646-2	**Date Sampled:**	03/24/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16136.D	1	04/05/23 21:15	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0074	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0037	0.00093	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0019	0.00046	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.0019	0.00093	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-032423		
Lab Sample ID:	JD62646-2	**Date Sampled:**	03/24/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.046	0.0093	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	96%		20-150%
	13C5-PFPeA	95%		20-150%
	13C5-PFHxA	95%		20-150%
	13C4-PFHpA	92%		20-150%
	13C8-PFOA	92%		20-150%
	13C9-PFNA	86%		20-150%
	13C6-PFDA	91%		20-150%
	13C7-PFUnDA	90%		20-150%
	13C2-PFDoDA	81%		20-150%
	13C2-PFTeDA	75%		20-150%
	13C3-PFBS	90%		20-150%
	13C3-PFHxS	85%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-EB-032423		
Lab Sample ID:	JD62646-2	**Date Sampled:**	03/24/23
Matrix:	AQ - Equipment Blank	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	92%		20-150%
	13C8-FOSA	74%		20-150%
	d3-MeFOSA	74%		20-150%
	d5-EtFOSA	74%		20-150%
	d3-MeFOSAA	96%		20-150%
	d5-EtFOSAA	97%		20-150%
	d7-MeFOSE	66%		20-150%
	d9-EtFOSE	71%		20-150%
	13C2-4:2FTS	103%		20-150%
	13C2-6:2FTS	118%		20-150%
	13C2-8:2FTS	95%		20-150%
	13C3-HFPO-DA	90%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16137.D	1	04/05/23 21:29	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0063	0.0074	0.0037	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0017	0.0037	0.00093	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0020	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	0.00077	0.0019	0.00046	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0034	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00056	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND UJ	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0019	0.0019	0.00093	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.00093	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.046	0.0093	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	52%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	108%		20-150%
	13C4-PFHpA	102%		20-150%
	13C8-PFOA	102%		20-150%
	13C9-PFNA	103%		20-150%
	13C6-PFDA	103%		20-150%
	13C7-PFUnDA	102%		20-150%
	13C2-PFDoDA	90%		20-150%
	13C2-PFTeDA	43%		20-150%
	13C3-PFBS	99%		20-150%
	13C3-PFHxS	98%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW5-032423		
Lab Sample ID:	JD62646-3A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	102%		20-150%
	13C8-FOSA	98%		20-150%
	d3-MeFOSA	89%		20-150%
	d5-EtFOSA	86%		20-150%
	d3-MeFOSAA	129%		20-150%
	d5-EtFOSAA	132%		20-150%
	d7-MeFOSE	73%		20-150%
	d9-EtFOSE	79%		20-150%
	13C2-4:2FTS	105%		20-150%
	13C2-6:2FTS	92%		20-150%
	13C2-8:2FTS	93%		20-150%
	13C3-HFPO-DA	92%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16210.D	1	04/06/23 18:55	AFL	04/04/23 09:00	F:OP96227	F:S6Q241
Run #2							

	Initial Weight	Final Volume
Run #1	5.04 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0011	0.00066	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00053	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00026	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0012	0.00026	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00026	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00018	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00019	0.00026	0.00013	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0011	0.00053	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0011	0.00079	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0011	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0011	0.00045	mg/kg	
377-73-1	PFMPA	ND	0.00053	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00053	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00053	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0011	0.00058	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0011	0.00053	mg/kg	
113507-82-7	PFEESA	ND	0.00053	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00067	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0066	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0066	0.0017	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	75%		20-150%
	13C5-PFPeA	73%		20-150%
	13C5-PFHxA	75%		20-150%
	13C4-PFHpA	73%		20-150%
	13C8-PFOA	78%		20-150%
	13C9-PFNA	80%		20-150%
	13C6-PFDA	73%		20-150%
	13C7-PFUnDA	76%		20-150%
	13C2-PFDoDA	69%		20-150%
	13C2-PFTeDA	62%		20-150%
	13C3-PFBS	69%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED5-032423		
Lab Sample ID:	JD62646-4A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	74.9
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	79%		20-150%
	13C8-FOSA	65%		20-150%
	d3-MeFOSA	65%		20-150%
	d5-EtFOSA	60%		20-150%
	d3-MeFOSAA	77%		20-150%
	d5-EtFOSAA	76%		20-150%
	d7-MeFOSE	48%		20-150%
	d9-EtFOSE	49%		20-150%
	13C2-4:2FTS	85%		20-150%
	13C2-6:2FTS	85%		20-150%
	13C2-8:2FTS	87%		20-150%
	13C3-HFPO-DA	66%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW6-032423		
Lab Sample ID:	JD62646-5A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16138.D	1	04/05/23 21:43	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	460 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0130	0.0087	0.0043	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0043	0.0011	ug/l	
307-24-4	Perfluorohexanoic acid	0.0016	0.0022	0.00054	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.0014	0.0022	0.00054	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0040	0.0022	0.00054	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0022	0.00066	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0022	0.00054	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0022	0.00065	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0022	0.00065	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0022	0.00091	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0022	0.00054	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0014	0.0022	0.0011	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0022	0.0012	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0022	0.0011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0022	0.0011	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0017	0.0022	0.0011	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0022	0.0011	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0022	0.0011	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0022	0.0012	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0087	0.0043	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0087	0.0045	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0022	0.0011	ug/l	
31506-32-8	MeFOSA	ND	0.0022	0.0011	ug/l	
4151-50-2	EtFOSA	ND	0.0022	0.0011	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW6-032423		
Lab Sample ID:	JD62646-5A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0022	0.0011	ug/l	
2991-50-6	EtFOSAA	ND	0.0022	0.0014	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.022	0.011	ug/l	
1691-99-2	EtFOSE	ND	0.022	0.011	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0087	0.0022	ug/l	
919005-14-4	ADONA	ND	0.0087	0.0022	ug/l	
377-73-1	PFMPA	ND	0.0043	0.0011	ug/l	
863090-89-5	PFMBA	ND	0.0043	0.0012	ug/l	
151772-58-6	NFDHA	ND	0.0043	0.0013	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0087	0.0022	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0087	0.0022	ug/l	
113507-82-7	PFEESA	ND	0.0043	0.0011	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.011	0.0054	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.054	0.011	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.054	0.011	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		20-150%
	13C5-PFPeA	105%		20-150%
	13C5-PFHxA	107%		20-150%
	13C4-PFHpA	107%		20-150%
	13C8-PFOA	98%		20-150%
	13C9-PFNA	92%		20-150%
	13C6-PFDA	94%		20-150%
	13C7-PFUnDA	89%		20-150%
	13C2-PFDoDA	74%		20-150%
	13C2-PFTeDA	63%		20-150%
	13C3-PFBS	100%		20-150%
	13C3-PFHxS	91%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW6-032423		
Lab Sample ID:	JD62646-5A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	91%		20-150%
	13C8-FOSA	85%		20-150%
	d3-MeFOSA	78%		20-150%
	d5-EtFOSA	72%		20-150%
	d3-MeFOSAA	93%		20-150%
	d5-EtFOSAA	94%		20-150%
	d7-MeFOSE	71%		20-150%
	d9-EtFOSE	69%		20-150%
	13C2-4:2FTS	118%		20-150%
	13C2-6:2FTS	95%		20-150%
	13C2-8:2FTS	79%		20-150%
	13C3-HFPO-DA	97%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED6-032423		
Lab Sample ID:	JD62646-6A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	32.1
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16211.D	1	04/06/23 19:09	AFL	04/04/23 09:00	F:OP96227	F:S6Q241
Run #2							

	Initial Weight	Final Volume
Run #1	4.95 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0025	0.0016	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.0013	0.00031	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00063	0.00031	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00063	0.00031	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00045	0.00063	0.00031	mg/kg	J
375-95-1	Perfluorononanoic acid	ND	0.00063	0.00036	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00063	0.00031	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00063	0.00042	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00063	0.00031	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00063	0.00032	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00063	0.00031	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00063	0.00031	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00063	0.00049	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00063	0.00050	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00063	0.00046	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0010	0.00063	0.00031	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00063	0.00057	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00063	0.00045	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00063	0.00047	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0025	0.0013	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0025	0.0013	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0025	0.0019	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00063	0.00031	mg/kg	
31506-32-8	MeFOSA	ND	0.00063	0.00043	mg/kg	
4151-50-2	EtFOSA	ND	0.00063	0.00032	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED6-032423		
Lab Sample ID:	JD62646-6A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	32.1
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00063	0.00050	mg/kg	
2991-50-6	EtFOSAA	ND	0.00063	0.00062	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0063	0.0031	mg/kg	
1691-99-2	EtFOSE	ND	0.0063	0.0031	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0025	0.00091	mg/kg	
919005-14-4	ADONA	ND	0.0025	0.0011	mg/kg	
377-73-1	PFMPA	ND	0.0013	0.00063	mg/kg	
863090-89-5	PFMBA	ND	0.0013	0.00063	mg/kg	
151772-58-6	NFDHA	ND	0.0013	0.00077	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0025	0.0014	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0025	0.0013	mg/kg	
113507-82-7	PFEESA	ND	0.0013	0.00063	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0031	0.0016	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.016	0.0036	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.016	0.0040	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	77%		20-150%
	13C5-PFPeA	81%		20-150%
	13C5-PFHxA	81%		20-150%
	13C4-PFHpA	83%		20-150%
	13C8-PFOA	76%		20-150%
	13C9-PFNA	80%		20-150%
	13C6-PFDA	80%		20-150%
	13C7-PFUnDA	68%		20-150%
	13C2-PFDoDA	69%		20-150%
	13C2-PFTeDA	64%		20-150%
	13C3-PFBS	70%		20-150%
	13C3-PFHxS	70%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED6-032423		
Lab Sample ID:	JD62646-6A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	32.1
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	85%		20-150%
	13C8-FOSA	72%		20-150%
	d3-MeFOSA	72%		20-150%
	d5-EtFOSA	68%		20-150%
	d3-MeFOSAA	85%		20-150%
	d5-EtFOSAA	89%		20-150%
	d7-MeFOSE	59%		20-150%
	d9-EtFOSE	54%		20-150%
	13C2-4:2FTS	83%		20-150%
	13C2-6:2FTS	78%		20-150%
	13C2-8:2FTS	65%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16139.D	1	04/05/23 21:57	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2 [a]	6Q16193.D	5	04/06/23 14:46	AFL	03/31/23 12:30	F:OP96193	F:S6Q241

	Initial Volume	Final Volume
Run #1	560 ml	5.0 ml
Run #2	560 ml	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0508	0.0071	0.0036	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0092	0.0036	0.00089	ug/l	
307-24-4	Perfluorohexanoic acid	0.0193	0.0018	0.00045	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0152	0.0018	0.00045	ug/l	
335-67-1	Perfluorooctanoic acid	0.586 [b]	0.0089	0.0022	ug/l	
375-95-1	Perfluorononanoic acid	0.0043	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	0.0013	0.0018	0.00045	ug/l	J
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00054	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00054	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00075	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0018	0.00045	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0066	0.0018	0.00089	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	0.0047	0.0018	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0156	0.0018	0.00089	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	0.0036	0.0018	0.00089	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.147	0.0018	0.00089	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00089	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00089	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND UJ	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND [b] UJ	0.036	0.018	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0071	0.0036	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0071	0.0037	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	0.0018	0.0018	0.00089	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00089	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00089	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	0.0034	0.0018	0.00089	ug/l	
2991-50-6	EtFOSAA	0.0072	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0089	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0089	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0071	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0071	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0036	0.00089	ug/l	
863090-89-5	PFMBA	ND	0.0036	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0036	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0071	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0071	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0036	0.00089	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0089	0.0045	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.045	0.0089	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [c]	ND	0.045	0.0089	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	75%	71%	20-150%
	13C5-PFPeA	92%	96%	20-150%
	13C5-PFHxA	106%	103%	20-150%
	13C4-PFHpA	106%	107%	20-150%
	13C8-PFOA	100%	94%	20-150%
	13C9-PFNA	101%	87%	20-150%
	13C6-PFDA	113%	91%	20-150%
	13C7-PFUnDA	91%	81%	20-150%
	13C2-PFDoDA	79%	64%	20-150%
	13C2-PFTeDA	72%	56%	20-150%
	13C3-PFBS	95%	88%	20-150%
	13C3-PFHxS	103%	90%	20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-INT-032423		
Lab Sample ID:	JD62646-7A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	99%	85%	20-150%
	13C8-FOSA	96%	82%	20-150%
	d3-MeFOSA	75%	76%	20-150%
	d5-EtFOSA	77%	70%	20-150%
	d3-MeFOSAA	117%	90%	20-150%
	d5-EtFOSAA	109%	86%	20-150%
	d7-MeFOSE	71%	68%	20-150%
	d9-EtFOSE	73%	68%	20-150%
	13C2-4:2FTS	160% [d]	84%	20-150%
	13C2-6:2FTS	115%	96%	20-150%
	13C2-8:2FTS	93%	85%	20-150%
	13C3-HFPO-DA	91%	89%	20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Result is from Run# 2
(c) Associated Low Level CCV outside of control limits high, sample was ND.
(d) Outside control limits.

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ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16194.D	1	04/06/23 15:02	AFL	03/31/23 12:30	F:OP96193	F:S6Q241
Run #2							

	Initial Volume	Final Volume
Run #1	510 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0052	0.0078	0.0039	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0016	0.0039	0.00098	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0017	0.0020	0.00049	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.00090	0.0020	0.00049	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0023	0.0020	0.00049	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00060	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00049	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00059	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00059	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00082	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND UJ	0.0020	0.00049	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0018	0.0020	0.00098	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0020	0.00098	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.00098	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0020	0.00098	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.00098	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.00098	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0078	0.0040	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0020	0.00098	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.00098	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.00098	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0020	0.00098	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.0098	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.0098	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0078	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0078	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0039	0.00098	ug/l	
863090-89-5	PFMBA	ND	0.0039	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0039	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0078	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0078	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0039	0.00098	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0098	0.0049	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.049	0.0098	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.049	0.0098	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	52%		20-150%
	13C5-PFPeA	103%		20-150%
	13C5-PFHxA	107%		20-150%
	13C4-PFHpA	106%		20-150%
	13C8-PFOA	101%		20-150%
	13C9-PFNA	97%		20-150%
	13C6-PFDA	112%		20-150%
	13C7-PFUnDA	111%		20-150%
	13C2-PFDoDA	99%		20-150%
	13C2-PFTeDA	47%		20-150%
	13C3-PFBS	92%		20-150%
	13C3-PFHxS	94%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-8A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	113%		20-150%
	13C8-FOSA	93%		20-150%
	d3-MeFOSA	83%		20-150%
	d5-EtFOSA	80%		20-150%
	d3-MeFOSAA	119%		20-150%
	d5-EtFOSAA	141%		20-150%
	d7-MeFOSE	67%		20-150%
	d9-EtFOSE	77%		20-150%
	13C2-4:2FTS	106%		20-150%
	13C2-6:2FTS	97%		20-150%
	13C2-8:2FTS	75%		20-150%
	13C3-HFPO-DA	97%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

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ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16216.D	1	04/06/23 20:19	AFL	04/04/23 09:00	F:OP96227	F:S6Q241
Run #2							

	Initial Weight	Final Volume
Run #1	4.95 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00066	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00052	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00026	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0018	0.00026	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00026	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00021	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00028	0.00026	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00024	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00020	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00079	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00044	mg/kg	
377-73-1	PFMPA	ND	0.00052	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00052	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00052	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00058	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00052	mg/kg	
113507-82-7	PFEESA	ND	0.00052	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00067	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0066	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0066	0.0017	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	80%		20-150%
	13C5-PFPeA	79%		20-150%
	13C5-PFHxA	80%		20-150%
	13C4-PFHpA	77%		20-150%
	13C8-PFOA	83%		20-150%
	13C9-PFNA	90%		20-150%
	13C6-PFDA	83%		20-150%
	13C7-PFUnDA	84%		20-150%
	13C2-PFDoDA	76%		20-150%
	13C2-PFTeDA	63%		20-150%
	13C3-PFBS	70%		20-150%
	13C3-PFHxS	70%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-DUP-032423		
Lab Sample ID:	JD62646-9A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	77.0
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	80%		20-150%
	13C8-FOSA	75%		20-150%
	d3-MeFOSA	67%		20-150%
	d5-EtFOSA	62%		20-150%
	d3-MeFOSAA	80%		20-150%
	d5-EtFOSAA	86%		20-150%
	d7-MeFOSE	48%		20-150%
	d9-EtFOSE	53%		20-150%
	13C2-4:2FTS	82%		20-150%
	13C2-6:2FTS	88%		20-150%
	13C2-8:2FTS	80%		20-150%
	13C3-HFPO-DA	78%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW7-032423		
Lab Sample ID:	JD62646-10A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16141.D	1	04/05/23 22:25	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	565 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0062 J	0.0071	0.0035	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0016	0.0035	0.00088	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0014	0.0018	0.00044	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.00072	0.0018	0.00044	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0045	0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND UJ	0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0016	0.0018	0.00088	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0018	0.00099	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0014	0.0018	0.00088	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND	0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0071	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0071	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0071	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND	0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND	0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW7-032423		
Lab Sample ID:	JD62646-10A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0071	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0071	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0071	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0071	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.044	0.0088	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	46%		20-150%
	13C5-PFPeA	97%		20-150%
	13C5-PFHxA	102%		20-150%
	13C4-PFHpA	109%		20-150%
	13C8-PFOA	94%		20-150%
	13C9-PFNA	92%		20-150%
	13C6-PFDA	88%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	64%		20-150%
	13C2-PFTeDA	42%		20-150%
	13C3-PFBS	82%		20-150%
	13C3-PFHxS	81%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW7-032423		
Lab Sample ID:	JD62646-10A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	92%		20-150%
	13C8-FOSA	82%		20-150%
	d3-MeFOSA	73%		20-150%
	d5-EtFOSA	67%		20-150%
	d3-MeFOSAA	85%		20-150%
	d5-EtFOSAA	89%		20-150%
	d7-MeFOSE	63%		20-150%
	d9-EtFOSE	62%		20-150%
	13C2-4:2FTS	91%		20-150%
	13C2-6:2FTS	85%		20-150%
	13C2-8:2FTS	80%		20-150%
	13C3-HFPO-DA	90%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW8-032423		
Lab Sample ID:	JD62646-11A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16142.D	1	04/05/23 22:39	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	510 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0055	0.0078	0.0039	ug/l	J
2706-90-3	Perfluoropentanoic acid	ND	0.0039	0.00098	ug/l	
307-24-4	Perfluorohexanoic acid	0.0018	0.0020	0.00049	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.00095	0.0020	0.00049	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0059	0.0020	0.00049	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00060	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00049	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00059	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00059	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00082	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND UJ	0.0020	0.00049	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0022	0.0020	0.00098	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0020	0.00098	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.00098	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0020	0.00098	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.00098	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.00098	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0078	0.0039	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0078	0.0040	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0020	0.00098	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.00098	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.00098	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW8-032423		
Lab Sample ID:	JD62646-11A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0020	0.00098	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.020	0.0098	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.0098	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0078	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0078	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0039	0.00098	ug/l	
863090-89-5	PFMBA	ND	0.0039	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0039	0.0012	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0078	0.0020	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0078	0.0020	ug/l	
113507-82-7	PFEESA	ND	0.0039	0.00098	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0098	0.0049	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.049	0.0098	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.049	0.0098	ug/l	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	53%		20-150%
	13C5-PFPeA	102%		20-150%
	13C5-PFHxA	104%		20-150%
	13C4-PFHpA	107%		20-150%
	13C8-PFOA	105%		20-150%
	13C9-PFNA	101%		20-150%
	13C6-PFDA	103%		20-150%
	13C7-PFUnDA	86%		20-150%
	13C2-PFDoDA	70%		20-150%
	13C2-PFTeDA	44%		20-150%
	13C3-PFBS	88%		20-150%
	13C3-PFHxS	97%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW8-032423		
Lab Sample ID:	JD62646-11A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	95%		20-150%
	13C8-FOSA	92%		20-150%
	d3-MeFOSA	80%		20-150%
	d5-EtFOSA	77%		20-150%
	d3-MeFOSAA	97%		20-150%
	d5-EtFOSAA	96%		20-150%
	d7-MeFOSE	64%		20-150%
	d9-EtFOSE	66%		20-150%
	13C2-4:2FTS	108%		20-150%
	13C2-6:2FTS	106%		20-150%
	13C2-8:2FTS	74%		20-150%
	13C3-HFPO-DA	100%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED8-032423		
Lab Sample ID:	JD62646-12A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	76.9
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16217.D	1	04/06/23 20:33	AFL	04/04/23 09:00	F:OP96227	F:S6Q241
Run #2							

	Initial Weight	Final Volume
Run #1	5.01 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0010	0.00065	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.00052	0.00013	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00026	0.00013	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00026	0.00013	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0015	0.00026	0.00013	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00026	0.00015	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00026	0.00013	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00026	0.00017	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00026	0.00013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00026	0.00013	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00026	0.00013	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00026	0.00013	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00026	0.00020	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00026	0.00021	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00026	0.00019	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00030	0.00026	0.00013	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00026	0.00023	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00026	0.00019	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00026	0.00019	mg/kg	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0010	0.00052	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0010	0.00078	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00026	0.00013	mg/kg	
31506-32-8	MeFOSA	ND	0.00026	0.00018	mg/kg	
4151-50-2	EtFOSA	ND	0.00026	0.00013	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED8-032423		
Lab Sample ID:	JD62646-12A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	76.9
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00026	0.00021	mg/kg	
2991-50-6	EtFOSAA	ND	0.00026	0.00026	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0026	0.0013	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0026	0.0013	mg/kg	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0010	0.00038	mg/kg	
919005-14-4	ADONA	ND	0.0010	0.00044	mg/kg	
377-73-1	PFMPA	ND	0.00052	0.00026	mg/kg	
863090-89-5	PFMBA	ND	0.00052	0.00026	mg/kg	
151772-58-6	NFDHA	ND	0.00052	0.00032	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0010	0.00057	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0010	0.00052	mg/kg	
113507-82-7	PFEESA	ND	0.00052	0.00026	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0013	0.00066	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.0065	0.0015	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND	0.0065	0.0016	mg/kg	UJ

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		20-150%
	13C5-PFPeA	76%		20-150%
	13C5-PFHxA	77%		20-150%
	13C4-PFHpA	81%		20-150%
	13C8-PFOA	79%		20-150%
	13C9-PFNA	82%		20-150%
	13C6-PFDA	76%		20-150%
	13C7-PFUnDA	85%		20-150%
	13C2-PFDoDA	74%		20-150%
	13C2-PFTeDA	63%		20-150%
	13C3-PFBS	73%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED8-032423		
Lab Sample ID:	JD62646-12A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	76.9
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	76%		20-150%
	13C8-FOSA	76%		20-150%
	d3-MeFOSA	68%		20-150%
	d5-EtFOSA	61%		20-150%
	d3-MeFOSAA	78%		20-150%
	d5-EtFOSAA	88%		20-150%
	d7-MeFOSE	47%		20-150%
	d9-EtFOSE	51%		20-150%
	13C2-4:2FTS	90%		20-150%
	13C2-6:2FTS	94%		20-150%
	13C2-8:2FTS	72%		20-150%
	13C3-HFPO-DA	75%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q16143.D	1	04/05/23 22:53	AFL	03/31/23 12:30	F:OP96193	F:S6Q240
Run #2							

	Initial Volume	Final Volume
Run #1	540 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0101 J	0.0074	0.0037	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0054	0.0037	0.00093	ug/l	
307-24-4	Perfluorohexanoic acid	0.0023	0.0019	0.00046	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0019	0.0019	0.00046	ug/l	
335-67-1	Perfluorooctanoic acid	0.0140	0.0019	0.00046	ug/l	
375-95-1	Perfluorononanoic acid	0.00061	0.0019	0.00056	ug/l	J
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00046	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00056	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00056	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND UJ	0.0019	0.00046	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0021	0.0019	0.00093	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0019	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.00096	0.0019	0.00093	ug/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00093	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0108	0.0019	0.00093	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0019	0.00093	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.00093	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0019	0.0011	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0074	0.0037	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0074	0.0038	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.0019	0.00093	ug/l	
31506-32-8	MeFOSA	ND	0.0019	0.00093	ug/l	
4151-50-2	EtFOSA	ND	0.0019	0.00093	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0019	0.00093	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.019	0.0093	ug/l	
1691-99-2	EtFOSE	ND	0.019	0.0093	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0074	0.0019	ug/l	
919005-14-4	ADONA	ND	0.0074	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0037	0.00093	ug/l	
863090-89-5	PFMBA	ND	0.0037	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0037	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0074	0.0019	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0074	0.0019	ug/l	
113507-82-7	PFEESA	ND	0.0037	0.00093	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0093	0.0046	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.046	0.0093	ug/l	
812-70-4	7:3 Fluorotelomer carboxylat [b]	ND UJ	0.046	0.0093	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	41%		20-150%
	13C5-PFPeA	83%		20-150%
	13C5-PFHxA	85%		20-150%
	13C4-PFHpA	88%		20-150%
	13C8-PFOA	87%		20-150%
	13C9-PFNA	86%		20-150%
	13C6-PFDA	87%		20-150%
	13C7-PFUnDA	79%		20-150%
	13C2-PFDoDA	62%		20-150%
	13C2-PFTeDA	42%		20-150%
	13C3-PFBS	85%		20-150%
	13C3-PFHxS	87%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW9-032423		
Lab Sample ID:	JD62646-13A	**Date Sampled:**	03/24/23
Matrix:	AQ - Surface Water	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	80%		20-150%
	13C8-FOSA	80%		20-150%
	d3-MeFOSA	68%		20-150%
	d5-EtFOSA	64%		20-150%
	d3-MeFOSAA	81%		20-150%
	d5-EtFOSAA	80%		20-150%
	d7-MeFOSE	60%		20-150%
	d9-EtFOSE	62%		20-150%
	13C2-4:2FTS	98%		20-150%
	13C2-6:2FTS	93%		20-150%
	13C2-8:2FTS	75%		20-150%
	13C3-HFPO-DA	77%		20-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Associated Low Level CCV outside of control limits high, sample was ND.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q43650.D	1	04/25/23 18:08	AFL	04/24/23 11:00	F:OP96295	F:S4Q630
Run #2							

	Initial Weight	Final Volume
Run #1	5.03 g	5.0 ml
Run #2		

CAS No.	Compound	Result		RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	ND	UJ	0.0033	0.0021	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND		0.0017	0.00042	mg/kg	
307-24-4	Perfluorohexanoic acid	ND		0.00084	0.00042	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND		0.00084	0.00042	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0066	J	0.00084	0.00042	mg/kg	
375-95-1	Perfluorononanoic acid	ND	UJ	0.00084	0.00048	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00050	J	0.00084	0.00042	mg/kg	J
2058-94-8	Perfluoroundecanoic acid	ND	UJ	0.00084	0.00056	mg/kg	
307-55-1	Perfluorododecanoic acid	ND		0.00084	0.00042	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND		0.00084	0.00043	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND		0.00084	0.00042	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	ND	UJ	0.00084	0.00042	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND		0.00084	0.00066	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND		0.00084	0.00066	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND		0.00084	0.00061	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0189	J	0.00084	0.00042	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	UJ	0.00084	0.00076	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND		0.00084	0.00060	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND		0.00084	0.00063	mg/kg	
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2 Fluorotelomer sulfonate	ND	UJ	0.0033	0.0017	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND		0.0033	0.0017	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND		0.0033	0.0025	mg/kg	
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND	UJ	0.00084	0.00042	mg/kg	
31506-32-8	MeFOSA	ND		0.00084	0.00057	mg/kg	
4151-50-2	EtFOSA	ND		0.00084	0.00042	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	Q	RL	MDL	Units
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	UJ	0.00084	0.00066	mg/kg
2991-50-6	EtFOSAA	ND	UJ	0.00084	0.00082	mg/kg
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	UJ	0.0084	0.0042	mg/kg
1691-99-2	EtFOSE	ND	UJ	0.0084	0.0042	mg/kg
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	UJ	0.0033	0.0012	mg/kg
919005-14-4	ADONA	ND	↓	0.0033	0.0014	mg/kg
377-73-1	PFMPA	ND	↓	0.0017	0.00084	mg/kg
863090-89-5	PFMBA	ND	↓	0.0017	0.00084	mg/kg
151772-58-6	NFDHA	ND	↓	0.0017	0.0010	mg/kg
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	UJ	0.0033	0.0018	mg/kg
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	↓	0.0033	0.0017	mg/kg
113507-82-7	PFEESA	ND	↓	0.0017	0.00084	mg/kg
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	UJ	0.0042	0.0021	mg/kg
914637-49-3	5:3 Fluorotelomer carboxylate	ND	↓	0.021	0.0048	mg/kg
812-70-4	7:3 Fluorotelomer carboxylate	ND	↓	0.021	0.0053	mg/kg

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	67%		20-150%
	13C5-PFPeA	67%		20-150%
	13C5-PFHxA	70%		20-150%
	13C4-PFHpA	67%		20-150%
	13C8-PFOA	72%		20-150%
	13C9-PFNA	83%		20-150%
	13C6-PFDA	87%		20-150%
	13C7-PFUnDA	82%		20-150%
	13C2-PFDoDA	84%		20-150%
	13C2-PFTeDA	56%		20-150%
	13C3-PFBS	85%		20-150%
	13C3-PFHxS	73%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED9-032423		
Lab Sample ID:	JD62646-14A	**Date Sampled:**	03/24/23
Matrix:	SO - Sediment	**Date Received:**	03/25/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	23.8
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	77%		20-150%
	13C8-FOSA	71%		20-150%
	d3-MeFOSA	68%		20-150%
	d5-EtFOSA	63%		20-150%
	d3-MeFOSAA	87%		20-150%
	d5-EtFOSAA	82%		20-150%
	d7-MeFOSE	52%		20-150%
	d9-EtFOSE	46%		20-150%
	13C2-4:2FTS	71%		20-150%
	13C2-6:2FTS	64%		20-150%
	13C2-8:2FTS	57%		20-150%
	13C3-HFPO-DA	54%		20-150%

(a) Sample extracted beyond hold time. Analysis performed at SGS Orlando, FL.

CWL 6/28/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

DATA USABILITY SUMMARY REPORT

COMPANY:	Ramboll Americas
PROJECT NAME:	Lyndon Road Landfill
CONTRACTED LAB:	SGS North America
QA/QC LEVEL:	DUSR
ANALYTICAL METHOD(S):	EPA Method 1633 Draft
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 2008; NYDEC *Guidelines for Sampling and Analysis of PFAS,* January 2020
SAMPLE MATRIX:	Soil and Water
TYPES OF ANALYSES:	Per and Polyfluoroalkyl Substances (PFAS)
DATA REVIEWER(S):	Cathi Lesher
SDG NUMBER:	JD62649
SAMPLING DATE(S):	April26, 2023
REPORT DATE:	June 29, 2023

SAMPLES:

Client Sample ID	Lab Sample ID	PFAS
LR-SED-09-042923	JD62649-1	X
LR-SW-09-042623	JD62649-2	X

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

Qualifier	Definition
U	The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

DATA USABILITY SUMMARY

SGS North America – JD62649

PERFLOROALKYL SUBSTANCES (PFAS)

SUMMARY

I.) General:

The analyses for Perfluoroalkyl Substances were performed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) per EPA Method 1633 Draft.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Laboratory Data Package:

The required documentation was present and complete. The laboratory presented a complete and accurate case narrative in the data package. The data package contains results for all samples and method types listed on the COC.

II.) Sample Receipt, Preservation, and Holding Times:

The samples were received intact with proper COC documentation and signatures. The samples were received within the method temperature requirements.

III.) Initial Calibration (ICAL) and Initial Calibration Verification (ICV):

All Initial Calibration and Initial Calibration Verification criteria were met. No data qualification was necessary.

IV.) Continuing Calibration (CCV):

All Continuing Calibration Verification criteria were met. No qualification was made based on CCV results.

V.) Blanks:

Instrument Blank (IB):

All Instrument Blanks were acceptable. No data qualification was necessary.

Method Blank (MB):

Method Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

Method blanks, OP96898-MB, and OP96918-MB were free from contamination. No qualification was made based on this finding.

Field Blank (FB):

Field Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no field blanks issued for this SDG.

Equipment Blank:

Equipment Blank results were evaluated based on project guidelines in the following table:

Blank Result	Sample Result	Qualification
Any detection	< Reporting Limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting Limit	>Reporting limit and <10x blank result	J+ biased high

There were no equipment blanks reported in this SDG.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed on samples from a different SDG. No qualification was made based on this finding.

VII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met for OP96918-BS. LCS, OP96898, reported PFDoA with a low recovery. PFDoA in associated sample, LR-SED-09-042623, is non-detect and the quantitation limit is considered estimated and has been qualified "UJ".

VIII.) Field Duplicates:

There were no field duplicate samples identified in this SDG.

IX.) Extracted Internal Standards (EIS):

The following table lists the samples the EIS criteria outside the 505-150% recovery limits.

Client ID	**Lab ID**	**EIS**	**Associated Analyte**	**Qualification**
LR-SED-09-042923	JD62649-1	13C8-PFOSA D3-MeFOSA D5-EtFOSA D7-MeFOSE D9-EtFOSE	PFOSA MeFOSA EtFOSA MeFOSE EtFOSE	UJ
LR-SW-09-042623	JD62649-2	13C4-PFBA	PFBA	J

X.) Ion Transitions:

All ion transition criteria were met. No data were qualified based on this finding.

XI.) Reporting limits (RLs):

All reporting limit criteria were met. Several sample results were greater than the MDL but less than the RL and were qualified as estimated (J) by the laboratory. These qualifiers were confirmed by the validator.

XII.) Instrument Performance criteria:

All Instrument Performance criteria were met. No data qualification was necessary.

XIII.) Sample and QC Calculation Verification:

All Sample and QC Calculation Verification criteria were met. No discrepancies were noted.

Attachment A

Data Qualification Summary Table (DQST) with Qualification Codes

Data Qualification Summary Table (DQST)

Client ID	LAB ID	Analyte	Qualifier
LR-SED-09-042923	JD62649-1	PFDoA	UJ
LR-SED-09-042923	JD62649-1	PFOSA MeFOSA EtFOSA MeFOSE EtFOSE	UJ
LR-SW-09-042623	JD62649-2	PFBA	J

Attachment B

Sample Result Forms (FORM Is) Corrected for Validation Qualifiers

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SED-09-042623		
Lab Sample ID:	JD64649-1	**Date Sampled:**	04/26/23
Matrix:	SO - Sediment	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	33.3
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q14544.D	1	05/19/23 20:18	AFL	05/16/23 09:45	F:OP96898	F:S5Q229
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	0.0024	0.0015	mg/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.0012	0.00030	mg/kg	
307-24-4	Perfluorohexanoic acid	ND	0.00060	0.00030	mg/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.00060	0.00030	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0044	0.00060	0.00030	mg/kg	
375-95-1	Perfluorononanoic acid	ND	0.00060	0.00035	mg/kg	
335-76-2	Perfluorodecanoic acid	ND	0.00060	0.00030	mg/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.00060	0.00040	mg/kg	
307-55-1	Perfluorododecanoic acid	ND	0.00060	0.00030	mg/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.00060	0.00031	mg/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.00060	0.00030	mg/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.00060	0.00030	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.00060	0.00047	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.00060	0.00048	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.00060	0.00044	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0050	0.00060	0.00030	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.00060	0.00054	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.00060	0.00043	mg/kg	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.00060	0.00045	mg/kg	UJ
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.0024	0.0012	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0024	0.0012	mg/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0024	0.0018	mg/kg	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.00060	0.00030	mg/kg	UJ
31506-32-8	MeFOSA	ND	0.00060	0.00041	mg/kg	UJ
4151-50-2	EtFOSA	ND	0.00060	0.00030	mg/kg	UJ

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED-09-042623		
Lab Sample ID:	JD64649-1	**Date Sampled:**	04/26/23
Matrix:	SO - Sediment	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	33.3
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.00060	0.00047	mg/kg	
2991-50-6	EtFOSAA	ND	0.00060	0.00059	mg/kg	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.0060	0.0030	mg/kg	UJ
1691-99-2	EtFOSE	ND	0.0060	0.0030	mg/kg	UJ
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0024	0.00087	mg/kg	
919005-14-4	ADONA	ND	0.0024	0.0010	mg/kg	
377-73-1	PFMPA	ND	0.0012	0.00060	mg/kg	
863090-89-5	PFMBA	ND	0.0012	0.00060	mg/kg	
151772-58-6	NFDHA	ND	0.0012	0.00073	mg/kg	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0024	0.0013	mg/kg	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0024	0.0012	mg/kg	
113507-82-7	PFEESA	ND	0.0012	0.00060	mg/kg	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0030	0.0015	mg/kg	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.015	0.0035	mg/kg	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.015	0.0038	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	60%		20-150%
	13C5-PFPeA	66%		20-150%
	13C5-PFHxA	62%		20-150%
	13C4-PFHpA	58%		20-150%
	13C8-PFOA	61%		20-150%
	13C9-PFNA	62%		20-150%
	13C6-PFDA	61%		20-150%
	13C7-PFUnDA	79%		20-150%
	13C2-PFDoDA	72%		20-150%
	13C2-PFTeDA	54%		20-150%
	13C3-PFBS	77%		20-150%
	13C3-PFHxS	64%		20-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SED-09-042623		
Lab Sample ID:	JD64649-1	**Date Sampled:**	04/26/23
Matrix:	SO - Sediment	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	33.3
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	66%		20-150%
	13C8-FOSA	41%		20-150%
	d3-MeFOSA	41%		20-150%
	d5-EtFOSA	34%		20-150%
	d3-MeFOSAA	62%		20-150%
	d5-EtFOSAA	66%		20-150%
	d7-MeFOSE	36%		20-150%
	d9-EtFOSE	31%		20-150%
	13C2-4:2FTS	52%		20-180%
	13C2-6:2FTS	50%		20-180%
	13C2-8:2FTS	60%		20-180%
	13C3-HFPO-DA	58%		20-150%

(a) Analysis performed at SGS Orlando, FL.

CWL 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	LR-SW-09-042623		
Lab Sample ID:	JD64649-2	**Date Sampled:**	04/26/23
Matrix:	AQ - Surface Water	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6Q18016.D	1	05/18/23 07:17	AFL	05/16/23 14:20	F:OP96918	F:S6Q271
Run #2							

	Initial Volume	Final Volume
Run #1	565 ml	5.0 ml
Run #2		

CAS No.	Compound	Result		RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.0085	J	0.0071	0.0035	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0036		0.0035	0.00088	ug/l	
307-24-4	Perfluorohexanoic acid	0.0021		0.0018	0.00044	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0011		0.0018	0.00044	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0027		0.0018	0.00044	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.0018	0.00054	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.0018	0.00044	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.0018	0.00053	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.0018	0.00053	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.0018	0.00074	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.0018	0.00044	ug/l	
PERFLUOROALKYL SULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.0018		0.0018	0.00088	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND		0.0018	0.00099	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.0018	0.00088	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND		0.0018	0.00088	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0015		0.0018	0.00088	ug/l	J
68259-12-1	Perfluorononanesulfonic acid	ND		0.0018	0.00088	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND		0.0018	0.00088	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND		0.0018	0.0010	ug/l	
FLUOROTELOMER SULFONIC ACIDS							
757124-72-4	4:2 Fluorotelomer sulfonate	ND		0.0071	0.0035	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND		0.0071	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND		0.0071	0.0036	ug/l	
PERFLUOROOCTANE SULFONAMIDES							
754-91-6	PFOSA	ND		0.0018	0.00088	ug/l	
31506-32-8	MeFOSA	ND		0.0018	0.00088	ug/l	
4151-50-2	EtFOSA	ND		0.0018	0.00088	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-09-042623		
Lab Sample ID:	JD64649-2	**Date Sampled:**	04/26/23
Matrix:	AQ - Surface Water	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.0018	0.00088	ug/l	
2991-50-6	EtFOSAA	ND	0.0018	0.0012	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.018	0.0088	ug/l	
1691-99-2	EtFOSE	ND	0.018	0.0088	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.0071	0.0018	ug/l	
919005-14-4	ADONA	ND	0.0071	0.0018	ug/l	
377-73-1	PFMPA	ND	0.0035	0.00088	ug/l	
863090-89-5	PFMBA	ND	0.0035	0.0010	ug/l	
151772-58-6	NFDHA	ND	0.0035	0.0011	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.0071	0.0018	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.0071	0.0018	ug/l	
113507-82-7	PFEESA	ND	0.0035	0.00088	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.0088	0.0044	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.044	0.0088	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	35%		20-150%
	13C5-PFPeA	69%		20-150%
	13C5-PFHxA	91%		20-150%
	13C4-PFHpA	102%		20-150%
	13C8-PFOA	106%		20-150%
	13C9-PFNA	107%		20-150%
	13C6-PFDA	116%		20-150%
	13C7-PFUnDA	106%		20-150%
	13C2-PFDoDA	92%		20-150%
	13C2-PFTeDA	56%		20-150%
	13C3-PFBS	104%		20-150%
	13C3-PFHxS	112%		20-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LR-SW-09-042623		
Lab Sample ID:	JD64649-2	**Date Sampled:**	04/26/23
Matrix:	AQ - Surface Water	**Date Received:**	04/27/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	Lyndon Road Landfill		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	102%		20-150%
	13C8-FOSA	89%		20-150%
	d3-MeFOSA	79%		20-150%
	d5-EtFOSA	78%		20-150%
	d3-MeFOSAA	96%		20-150%
	d5-EtFOSAA	95%		20-150%
	d7-MeFOSE	64%		20-150%
	d9-EtFOSE	70%		20-150%
	13C2-4:2FTS	95%		20-180%
	13C2-6:2FTS	102%		20-180%
	13C2-8:2FTS	96%		20-180%
	13C3-HFPO-DA	81%		20-150%

(a) Analysis performed at SGS Orlando, FL.

CWL 6/29/23

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

APPENDIX 9
WASTE PROFILES AND MANIFESTS

Waste Profile Sheet

Solvents & Petroleum Service							APPROVAL #	FINGERENVIRO51					
1405 Brewerton Rd. Syracuse, NY 13208							Recertification?	NO		Approval #	SAME		
Phone (315)454-4467 - Fax (315)454-8230							Sample #	NONE					
EPA ID# NYD013277454							Date Submitted	06/20/2023					
							Salesperson	MARK FARRELL					
GENERAL INFORMATION													
Generator Name:	NYS DEP OF ENVIRONMENTAL CONSERVATION						Billing Name:	FINGERLAKES ENVIROTECH					
Address:	625 BROADWAY 112TH FLOOR						Address:	691 ADDISON ROAD					
City:	ALBANY	State:	NY	ZIP:	12233		City:	PAINTED POST	State:	NY	ZIP:	14870	
Phone:	607-936-1222	Fax:					Phone:	607-936-1222					
Technical Contact:	LISA GORTON						Fax:	607-937-4006					
EPA ID#	NYR 000 262 352						Billing Contact:	KYLE STONE					
WASTE & DOT INFORMATION													
Name of Waste:	WASTE FOAM SOLID WITH SATURATED SOLVENTS												
Process Generating Waste:	VARIOUS SPILL CLEAN UPS												
Generation Source Code G	G32	Waste Form Code W					W002	SIC Code					
Is this a Virgin Product or Chemical?			Yes	X	No								
Elevated temperature Material? (ship>100° F)			Yes	X	No								
US EPA Hazardous Waste? (40CFR Part 261)	X	Yes		No		Waste Water	X	Non-Wastewater					
US DOT Hazardous Material? (49CFR 171-177)		X	Yes		No								
US DOT Hazardous Substance? (49CFR 302)		X	Yes		No								
Does your waste contain Marine pollutant?		Yes	X	No	Please list:								
Proper Shipping Name:	RQ, UN3179, WASTE FLAMMABLE SOLIDS, TOXIC, INORGANIC, N.O.S. (XYLENE)												
Hazardous class:	4.1(6.1)	DOT Labels:	FLAMMABLE SOLIDS				UN/NA	UN3179	Pkg Group	II			
Reportable Quantity:	100 LBS	Based on:	D001					ERG #	134				
Identify **ALL** applicable US EPA waste codes:	D001, D035, F003, F005												
Packaging:		Bulk Solid		Bulk Liquid	OHD55	Drums - Type Size	STEEL		Other				
Anticipated Volume	1 - 2 DRUMS (OVP)	Frequency:		Monthly		Quarterly		Yearly	X	One Time			
Transportation Equipment:		Tank Truck	X	Liftgate		Vacuum		Roll off		Box Trailer		Tank Car	

CHEMICAL COMPOSITION: List **ALL** Constituents present in any combination. Attach analytical or MSDS if available.		**PHYSICAL CHARACTERISTICS**											
Constituents	**Range /Units**	Physical State @70°		Liquid		Sludge	X	Solid		Powder	X	Debris	
SOLID FOAM	50-100%	Specific Gravity:	N/A	to	N/A	pH Range		N/A	to	N/A			
SOIL	10-20%	Flash(°F)	<140					Actual					
MEK	0-10%	BTU/Pound	>8000										
XYLENE	0-10%	Odor	STRONG					Color	VARIES				
TOLUENE	0-10%	Pumpable @ 70° F		Yes		X		No					
		Viscosity		Low				Medium		X	High		
		Boiling Point		X	>95° F			<95° F					
		0	% Water	100	% Solid	0		% Chlorine					
				0	% Dissolved Solids								
				0	% Suspended Solids								
				0	% Ash Content								

Submitted for:		Reclaim		Fractionation	X	Fuels		Pumpable		Dispersible		X	Solids<250#	X	Solids>250#
		Processable Solids	X	Inceneration		Landfill		Haz Water	X	Non-Haz Water			Other		

SPS **Use Only**:															
Approved for:		Reclaim		Fractionation	X	Fuels		Pumpable		Dispersible		X	Solids<250#	X	Solids>250#
		Processable Solids	X	Inceneration		Landfill		Haz Water	X	Non-Haz Water			Other		
Approved by:	EDGARDO LEÓN			Date	07/20/2023			Handling Code M							
Special Precautions	SITE NO: 828026B														
Comments	SITE LOCATION: 80 LYNDON RD, FAIRPORT, NY 14450											Off-site Approval #			

Waste Stream WASTE FOAM SOLID & SOLVENTS

Does Your Waste Exhibit the Following Properties?:	NO	
Hydrophonic (Reacts with water)		Yes
Pyrophonic (Reacts with Flame)		Yes
Shock Sensitive (Reacts with movement)		Yes
Thermally Sensitive (Reacts when heated)		Yes
Acid Reactive		Yes
Oxidizer		Yes
Alkaline Reactive		Yes
Auto Polymerizer		Yes

Does Your Waste Contain:	NO		Actual Range
PCB"s > 25ppm		Yes	
Phenolics >100ppm		Yes	
Free Ammonia		Yes	
Free Sulfides		Yes	
Free Cyanides		Yes	
OSHA Carcinogens		Yes	
Dioxins		Yes	
Pesticides		Yes	
NESHAP Benzene >10%		Yes	

METALS & ORGANICS [ ] TCLP [ ] TOTAL [X] NONE IN THIS SECTION

D-Code Constituents		Reg. Level	Actual Range		Reg. Level	Actual Range
D004 Arsenic		>= 5.0 mg/l		D028 1,2-Dichloroethane	>=0.5 mg/l	
D005 Barium		>=100 mg/l		D029 1,1-Dichloroethylene	>=0.7 mg/l	
D006 Cadmium		>=1.0 mg/l		D030 1,4-Dinitrotoluene	>=0.13 mg/l	
D007 Chromium		>=5.0 mg/l		D031 Heptachlor (and it's epoxide)	>=0.008 mg/l	
D008 Lead		>=5.0 mg/l		D032 Hexachlorobenzene	>=0.13 mg/l	
D009 Mercury		>=0.2 mg/l		D033 Hexachlorobutadiene	>=0.5 mg/l	
D010 Selenium		>=1.0 mg/l		D034 Hexachloroethane	>=3.0 mg/l	
D011 Silver		>=5.0 mg/l		D035 Methyl Ethyl Ketone	X >=200 mg/l	
D012 Endrin		>=0.02 mg/l		D036 Nitrobenzene	>=2.0 mg/l	
D013 Lindane		>=0.4 mg/l		D037 Pentachlorophenol	>=100 mg/l	
D014 Methoxychlor		>=10.0 mg/l		D038 Pyridine	>=5.0 mg/l	
D015 Toxaphene		>=0.5 mg/l		D039 Tetrachloroethylene	>=0.7 mg/l	
D016 2,4-D		>=10.0 mg/l		D040 Trichloroethylene	>=0.5 mg/l	
D017 2,4,5-TP Silver		>=1.0 mg/l		D041 2,4,5-Trichlorophenol	>=400 mg/l	
D018 Benzene		>=0.5 mg/l		D042 2,4,6-Trichlorophenol	>=2.0 mg/l	
D019 Carbon Tetachloride		>=0.5 mg/l		D043 Vinyl Chloride	>=0.2 mg/l	
D020 Chlordane		>=0.03 mg/l		Other Metals		
D021 Chlorobenzene		>=100 mg/l		Aluminum	>=5.0 mg/l	
D022 Chloroform		>=6.0 mg/l		Beryllium	>=10.0 mg/l	
D023 O-Cresol		>=200 mg/l		Copper	>=1500 mg/l	
D024 m-Cresol		>=200 mg/l		Maganese	>=100 mg/l	
D025 p-Cresol		>=200 mg/l		Nickel	>=1000 mg/l	
D026 Cresol		>=200 mg/l		Thallium	>=100 mg/l	
D027 1,4-Dichlorobenzene		>=7.5 mg/l		Zinc	>=3000 mg/l	

California List Contaminants: [X] Unknown [ ] None Present Thallium >130 mg/l [ ] Yes [X] No

Nickel >134 mg/l [ ] Yes [X] No HOC'S >1000 mg/l [ ] Yes [X] No

SUPPLEMENTAL INFORMATION:

NOTE: Waste submitted for Land Disposal requires MSDS, Analytical, or Sample for analysis. Similar information may be required for other waste streams. Waste submitted for Reclaim or Fractionation requires Sample and Return Specifications.

Supplemental Information Attached? [X] Yes [ ] No [X] Lab Analysis [ ] Profile [ ] MSDS [ ] Other _____

Sample Submitted ith Waste Data Sheet? [ ] Yes [X] No Date previously submitted: _____

Reclaim/Fractionation Specifications Submitted? [ ] Yes [X] No

If this waste contains halogens >1000ppm, what is the source? _____

If this waste contains halogens >1000ppm, I hereby rebut the presumption that our used oil has been mixed with halogenated hazardous waste listed in subpart D of part 261 of 40CFR. The total halogens present do not come from halogenated solvents.

[ ] Yes [ ] No [X] Not Applicable (this waste contains <1000 ppm halogens, or is not a used oil)

GENERATOR CERTIFICATION:

I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the submitted information is true, accurate and complete, and that all known and suspected hazards have been disclosed. I further certify that the sample I submitted with this profile is truly representative of this waste stream.

Mohamed Sahraoui / Project Manager — Printed Name/Title

Signature

08/17/2023 — Date

Authorization to Correct WPS:

I authorize Solvents & Petroleum Corporation to make corrections to this WPS form, such corrections being consistent with the results of sample characterzation and/or regulatory requirements of N.Y. DEC. I understand that a corrected copy will be sent to me.

[✓] Yes [ ] No Initial: MS

Note: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

NOTE: Solvents & Petroleum DOES NOT accept waste containing PCB'S >25ppm, Dixon, Radioactive, or Biological Compounds

Waste Profile Sheet

Solvents & Petroleum Service							APPROVAL #	FINGERENVIRO52					
1405 Brewerton Rd. Syracuse, NY 13208							Recertification?	NO		Approval #	SAME		
Phone (315)454-4467 - Fax (315)454-8230							Sample #	NONE					
EPA ID# NYD013277454							Date Submitted	06/20/2023					
							Salesperson	MARK FARRELL					
GENERAL INFORMATION													
Generator Name:	NYS DEP OF ENVIRONMENTAL CONSERVATION						Billing Name:	FINGERLAKES ENVIROTECH					
Address:	625 BROADWAY 112TH FLOOR						Address:	691 ADDISON ROAD					
City:	ALBANY	State:	NY	ZIP:	12233		City:	PAINTED POST	State:	NY	ZIP:	14870	
Phone:	607-936-1222	Fax:					Phone:	607-936-1222					
Technical Contact:	LISA GORTON						Fax:	607-937-4006					
EPA ID#	NYR 000 262 352						Billing Contact:	KYLE STONE					
WASTE & DOT INFORMATION													
Name of Waste:	WASTE PPE & DEBRIS SATURATED WITH SOLVENTS												
Process Generating Waste:	VARIOUS SPILL CLEAN UPS												
Generation Source Code G	G32	Waste Form Code W					W002	SIC Code					
Is this a Virgin Product or Chemical?			Yes	X	No								
Elevated temperature Material? (ship>100° F)			Yes	X	No								
US EPA Hazardous Waste? (40CFR Part 261)	X	Yes		No		Waste Water	X	Non-Wastewater					
US DOT Hazardous Material? (49CFR 171-177)		X	Yes		No								
US DOT Hazardous Substance? (49CFR 302)		X	Yes		No								
Does your waste contain Marine pollutant?		Yes	X	No	Please list:								
Proper Shipping Name:	RQ, UN3179, WASTE FLAMMABLE SOLIDS, TOXIC, INORGANIC, N.O.S. (XYLENE)												
Hazardous class:	4.1(6.1)	DOT Labels:	FLAMMABLE SOLIDS				UN/NA	UN3179	Pkg Group	II			
Reportable Quantity:	100 LBS	Based on:	D001					ERG #	134				
Identify **ALL** applicable US EPA waste codes:	D001, D035, F003, F005												
Packaging:		Bulk Solid		Bulk Liquid	OHD55	Drums - Type Size	STEEL		Other				
Anticipated Volume	1 - 3 DRUMS	Frequency:		Monthly		Quarterly		Yearly	X	One Time			
Transportation Equipment:		Tank Truck	X	Liftgate		Vacuum		Roll off		Box Trailer		Tank Car	

CHEMICAL COMPOSITION: List **ALL** Constituents present in any combination. Attach analytical or MSDS if available.		**PHYSICAL CHARACTERISTICS**											
Constituents	**Range /Units**	Physical State @70°		Liquid		Sludge	X	Solid		Powder	X	Debris	
PPE	50-100%	Specific Gravity:	N/A	to	N/A	pH Range		N/A	to	N/A			
SOIL	10-20%	Flash(°F)	<140					Actual					
MEK	0-10%	BTU/Pound	>8000										
XYLENE	0-10%	Odor	STRONG					Color	VARIES				
TOLUENE	0-10%	Pumpable @ 70° F		Yes		X		No					
		Viscosity		Low				Medium		X	High		
		Boiling Point		X	>95° F			<95° F					
		0	% Water	100	% Solid	0		% Chlorine					
				0	% Dissolved Solids								
				0	% Suspended Solids								
				0	% Ash Content								

Submitted for:		Reclaim		Fractionation	X	Fuels		Pumpable		Dispersible	X	Solids<250#	X	Solids>250#
		Processable Solids	X	Inceneration		Landfill		Haz Water	X	Non-Haz Water		Other		

SPS **Use Only**:														
Approved for:		Reclaim		Fractionation	X	Fuels		Pumpable		Dispersible	X	Solids<250#	X	Solids>250#
		Processable Solids	X	Inceneration		Landfill		Haz Water	X	Non-Haz Water		Other		

Approved by:	EDGARDO LEÓN	Date	07/20/2023	Handling Code M	
Special Precautions	SITE NO: 828026B				
Comments	SITE LOCATION: 80 LYNDON RD, FAIRPORT, NY 14450			Off-site Approval #	

Waste Stream WASTE PPE, DEBRIS & SOLVENTS

Does Your Waste Exhibit the Following Properties?:	NO	
Hydrophonic (Reacts with water)		Yes
Pyrophonic (Reacts with Flame)		Yes
Shock Sensitive (Reacts with movement)		Yes
Thermally Sensitive (Reacts when heated)		Yes
Acid Reactive		Yes
Oxidizer		Yes
Alkaline Reactive		Yes
Auto Polymerizer		Yes

Does Your Waste Contain:	NO		Actual Range
PCB"s > 25ppm		Yes	
Phenolics >100ppm		Yes	
Free Ammonia		Yes	
Free Sulfides		Yes	
Free Cyanides		Yes	
OSHA Carcinogens		Yes	
Dioxins		Yes	
Pesticides		Yes	
NESHAP Benzene >10%		Yes	

METALS & ORGANICS [ ] TCLP [ ] TOTAL [X] NONE IN THIS SECTION

D-Code Constituents		Reg. Level	Actual Range		Reg. Level	Actual Range
D004 Arsenic		>= 5.0 mg/l		D028 1,2-Dichloroethane	>=0.5 mg/l	
D005 Barium		>=100 mg/l		D029 1,1-Dichloroethylene	>=0.7 mg/l	
D006 Cadmium		>=1.0 mg/l		D030 1,4-Dinitrotoluene	>=0.13 mg/l	
D007 Chromium		>=5.0 mg/l		D031 Heptachlor (and it's epoxide)	>=0.008 mg/l	
D008 Lead		>=5.0 mg/l		D032 Hexachlorobenzene	>=0.13 mg/l	
D009 Mercury		>=0.2 mg/l		D033 Hexachlorobutadiene	>=0.5 mg/l	
D010 Selenium		>=1.0 mg/l		D034 Hexachloroethane	>=3.0 mg/l	
D011 Silver		>=5.0 mg/l		D035 Methyl Ethyl Ketone	X >=200 mg/l	
D012 Endrin		>=0.02 mg/l		D036 Nitrobenzene	>=2.0 mg/l	
D013 Lindane		>=0.4 mg/l		D037 Pentachlorophenol	>=100 mg/l	
D014 Methoxychlor		>=10.0 mg/l		D038 Pyridine	>=5.0 mg/l	
D015 Toxaphene		>=0.5 mg/l		D039 Tetrachloroethylene	>=0.7 mg/l	
D016 2,4-D		>=10.0 mg/l		D040 Trichloroethylene	>=0.5 mg/l	
D017 2,4,5-TP Silver		>=1.0 mg/l		D041 2,4,5-Trichlorophenol	>=400 mg/l	
D018 Benzene		>=0.5 mg/l		D042 2,4,6-Trichlorophenol	>=2.0 mg/l	
D019 Carbon Tetachloride		>=0.5 mg/l		D043 Vinyl Chloride	>=0.2 mg/l	
D020 Chlordane		>=0.03 mg/l		Other Metals		
D021 Chlorobenzene		>=100 mg/l		Aluminum	>=5.0 mg/l	
D022 Chloroform		>=6.0 mg/l		Beryllium	>=10.0 mg/l	
D023 O-Cresol		>=200 mg/l		Copper	>=1500 mg/l	
D024 m-Cresol		>=200 mg/l		Maganese	>=100 mg/l	
D025 p-Cresol		>=200 mg/l		Nickel	>=1000 mg/l	
D026 Cresol		>=200 mg/l		Thallium	>=100 mg/l	
D027 1,4-Dichlorobenzene		>=7.5 mg/l		Zinc	>=3000 mg/l	

California List Contaminants: [X] Unknown [ ] None Present Thallium >130 mg/l [ ] Yes [X] No

Nickel >134 mg/l [ ] Yes [X] No HOC'S >1000 mg/l [ ] Yes [X] No

SUPPLEMENTAL INFORMATION:

NOTE: Waste submitted for Land Disposal requires MSDS, Analytical, or Sample for analysis. Similar information may be required for other waste streams. Waste submitted for Reclaim or Fractionation requires Sample and Return Specifications.

Supplemental Information Attached? [X] Yes [ ] No [X] Lab Analysis [ ] Profile [ ] MSDS [ ] Other _____

Sample Submitted ith Waste Data Sheet? [ ] Yes [X] No Date previously submitted: _____

Reclaim/Fractionation Specifications Submitted? [ ] Yes [X] No

If this waste contains halogens >1000ppm, what is the source? _____

If this waste contains halogens >1000ppm, I hereby rebut the presumption that our used oil has been mixed with halogenated hazardous waste listed in subpart D of part 261 of 40CFR. The total halogens present do not come from halogenated solvents.

[ ] Yes [ ] No [X] Not Applicable (this waste contains <1000 ppm halogens, or is not a used oil)

GENERATOR CERTIFICATION:

I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the submitted information is true, accurate and complete, and that all known and suspected hazards have been disclosed. I further certify that the sample I submitted with this profile is truly representative of this waste stream.

Mohamed Sahraoui / Project Manager | Signature | 08/17/2023

Printed Name/Title | Signature | Date

Authorization to Correct WPS:

I authorize Solvents & Petroleum Corporation to make corrections to this WPS form, such corrections being consistent with the results of sample characterzation and/or regulatory requirements of N.Y. DEC. I understand that a corrected copy will be sent to me.

[✓] Yes [ ] No Initial: MS

Note: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

NOTE: Solvents & Petroleum DOES NOT accept waste containing PCB'S >25ppm, Dixon, Radioactive, or Biological Compounds

Waste Profile Sheet

Solvents & Petroleum Service							APPROVAL #	FINGERENVIRO53					
1405 Brewerton Rd. Syracuse, NY 13208							Recertification?	NO		Approval #	SAME		
Phone (315)454-4467 - Fax (315)454-8230							Sample #	NONE					
EPA ID# NYD013277454							Date Submitted	06/20/2023					
							Salesperson	MARK FARRELL					
GENERAL INFORMATION													
Generator Name:	NYS DEP OF ENVIRONMENTAL CONSERVATION						Billing Name:	FINGERLAKES ENVIROTECH					
Address:	625 BROADWAY 112TH FLOOR						Address:	691 ADDISON ROAD					
City:	ALBANY	State:	NY	ZIP:	12233		City:	PAINTED POST	State:	NY	ZIP:	14870	
Phone:	607-936-1222	Fax:					Phone:	607-936-1222					
Technical Contact:	LISA GORTON						Fax:	607-937-4006					
EPA ID#	NYR 000 262 352						Billing Contact:	KYLE STONE					
WASTE & DOT INFORMATION													
Name of Waste:	WASTE WELL WATER SATURATED WITH SOLVENTS												
Process Generating Waste:	VARIOUS SPILL CLEAN UPS												
Generation Source Code G	G32	Waste Form Code W					W002	SIC Code					
Is this a Virgin Product or Chemical?			Yes	X	No								
Elevated temperature Material? (ship>100° F)			Yes	X	No								
US EPA Hazardous Waste? (40CFR Part 261)	X	Yes		No		Waste Water	X	Non-Wastewater					
US DOT Hazardous Material? (49CFR 171-177)		X	Yes		No								
US DOT Hazardous Substance? (49CFR 302)		X	Yes		No								
Does your waste contain Marine pollutant?		Yes	X	No	Please list:								
Proper Shipping Name:	RQ, UN1992, WASTE FLAMMABLE LIQUIDS, TOXIC, N.O.S. (XYLENE)												
Hazardous class:	3(6.1)	DOT Labels:	FLAMMABLE LIQUIDS			UN/NA	UN1992	Pkg Group	II				
Reportable Quantity:	100 LBS	Based on:	D001				ERG #	131					
Identify **ALL** applicable US EPA waste codes:	D001, D005, D035, F003, F005												
Packaging:		Bulk Solid		Bulk Liquid	OHD55	Drums - Type Size	STEEL		Other				
Anticipated Volume	1 - 3 DRUMS	Frequency:		Monthly		Quarterly		Yearly	X	One Time			
Transportation Equipment:		Tank Truck	X	Liftgate		Vacuum		Roll off		Box Trailer		Tank Car	

CHEMICAL COMPOSITION: List **ALL** Constituents present in any combination. Attach analytical or MSDS if available.		**PHYSICAL CHARACTERISTICS**													
Constituents	**Range /Units**	Physical State @70°	X	Liquid		Sludge		Solid		Powder		Debris			
WATER	50-100%	Specific Gravity:	N/A	to	N/A	pH Range		N/A	to	N/A					
POLY SHEETING	0-5%	Flash(°F)	<140					Actual							
MEK	0-10%	BTU/Pound	>8000												
XYLENE	0-10%	Odor	STRONG					Color	VARIES						
TOLUENE	0-10%	Pumpable @ 70° F		Yes		X	No								
		Viscosity		Low			Medium		X	High					
		Boiling Point	X	>95° F			<95° F								
		0 % Water	100	% Solid		0	% Chlorine								
			0	% Dissolved Solids											
			0	% Suspended Solids											
			0	% Ash Content											

Submitted for:		Reclaim		Fractionation	X	Fuels		Pumpable		Dispersible		X	Solids<250#	X	Solids>250#
		Processable Solids	X	Inceneration		Landfill		Haz Water	X	Non-Haz Water			Other		

SPS **Use Only**:

Approved for:		Reclaim		Fractionation	X	Fuels		Pumpable		Dispersible		X	Solids<250#	X	Solids>250#
		Processable Solids	X	Inceneration		Landfill		Haz Water	X	Non-Haz Water			Other		

Approved by:	EDGARDO LEÓN	Date	07/20/2023	Handling Code M	
Special Precautions	SITE NO: 828026B				
Comments	SITE LOCATION: 80 LYNDON RD, FAIRPORT, NY 14450			Off-site Approval #	

Waste Stream WASTE WELL WATER & SOLVENTS

Does Your Waste Exhibit the Following Properties?:	NO	
Hydrophonic (Reacts with water)		Yes
Pyrophonic (Reacts with Flame)		Yes
Shock Sensitive (Reacts with movement)		Yes
Thermally Sensitive (Reacts when heated)		Yes
Acid Reactive		Yes
Oxidizer		Yes
Alkaline Reactive		Yes
Auto Polymerizer		Yes

Does Your Waste Contain:	NO		Actual Range
PCB"s > 25ppm		Yes	
Phenolics >100ppm		Yes	
Free Ammonia		Yes	
Free Sulfides		Yes	
Free Cyanides		Yes	
OSHA Carcinogens		Yes	
Dioxins		Yes	
Pesticides		Yes	
NESHAP Benzene >10%		Yes	

METALS & ORGANICS [ ] TCLP [ ] TOTAL [X] NONE IN THIS SECTION

D-Code Constituents		Reg. Level	Actual Range		Reg. Level	Actual Range
D004 Arsenic		>= 5.0 mg/l		D028 1,2-Dichloroethane	>=0.5 mg/l	
D005 Barium		>=100 mg/l		D029 1,1-Dichloroethylene	>=0.7 mg/l	
D006 Cadmium		>=1.0 mg/l		D030 1,4-Dinitrotoluene	>=0.13 mg/l	
D007 Chromium		>=5.0 mg/l		D031 Heptachlor (and it's epoxide)	>=0.008 mg/l	
D008 Lead		>=5.0 mg/l		D032 Hexachlorobenzene	>=0.13 mg/l	
D009 Mercury		>=0.2 mg/l		D033 Hexachlorobutadiene	>=0.5 mg/l	
D010 Selenium		>=1.0 mg/l		D034 Hexachloroethane	>=3.0 mg/l	
D011 Silver		>=5.0 mg/l		D035 Methyl Ethyl Ketone	X >=200 mg/l	
D012 Endrin		>=0.02 mg/l		D036 Nitrobenzene	>=2.0 mg/l	
D013 Lindane		>=0.4 mg/l		D037 Pentachlorophenol	>=100 mg/l	
D014 Methoxychlor		>=10.0 mg/l		D038 Pyridine	>=5.0 mg/l	
D015 Toxaphene		>=0.5 mg/l		D039 Tetrachloroethylene	>=0.7 mg/l	
D016 2,4-D		>=10.0 mg/l		D040 Trichloroethylene	>=0.5 mg/l	
D017 2,4,5-TP Silver		>=1.0 mg/l		D041 2,4,5-Trichlorophenol	>=400 mg/l	
D018 Benzene		>=0.5 mg/l		D042 2,4,6-Trichlorophenol	>=2.0 mg/l	
D019 Carbon Tetachloride		>=0.5 mg/l		D043 Vinyl Chloride	>=0.2 mg/l	
D020 Chlordane		>=0.03 mg/l		Other Metals		
D021 Chlorobenzene		>=100 mg/l		Aluminum	>=5.0 mg/l	
D022 Chloroform		>=6.0 mg/l		Beryllium	>=10.0 mg/l	
D023 O-Cresol		>=200 mg/l		Copper	>=1500 mg/l	
D024 m-Cresol		>=200 mg/l		Maganese	>=100 mg/l	
D025 p-Cresol		>=200 mg/l		Nickel	>=1000 mg/l	
D026 Cresol		>=200 mg/l		Thallium	>=100 mg/l	
D027 1,4-Dichlorobenzene		>=7.5 mg/l		Zinc	>=3000 mg/l	

California List Contaminants: [X] Unknown [ ] None Present Thallium >130 mg/l [ ] Yes [X] No

Nickel >134 mg/l [ ] Yes [X] No HOC'S >1000 mg/l [ ] Yes [X] No

SUPPLEMENTAL INFORMATION:

NOTE: Waste submitted for Land Disposal requires MSDS, Analytical, or Sample for analysis. Similar information may be required for other waste streams. Waste submitted for Reclaim or Fractionation requires Sample and Return Specifications.

Supplemental Information Attached? [X] Yes [ ] No [X] Lab Analysis [ ] Profile [ ] MSDS [ ] Other _____

Sample Submitted ith Waste Data Sheet? [ ] Yes [X] No Date previously submitted: _____

Reclaim/Fractionation Specifications Submitted? [ ] Yes [X] No

If this waste contains halogens >1000ppm, what is the source? _____

If this waste contains halogens >1000ppm, I hereby rebut the presumption that our used oil has been mixed with halogenated hazardous waste listed in subpart D of part 261 of 40CFR. The total halogens present do not come from halogenated solvents.

[ ] Yes [ ] No [X] Not Applicable (this waste contains <1000 ppm halogens, or is not a used oil)

GENERATOR CERTIFICATION:

I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the submitted information is true, accurate and complete, and that all known and suspected hazards have been disclosed. I further certify that the sample I submitted with this profile is truly representative of this waste stream.

Mohamed Sahraoui / Project Manager _____ 08/17/2023

Printed Name/Title Signature Date

Authorization to Correct WPS:

I authorize Solvents & Petroleum Corporation to make corrections to this WPS form, such corrections being consistent with the results of sample characterzation and/or regulatory requirements of N.Y. DEC. I understand that a corrected copy will be sent to me.

[✓] Yes [ ] No Initial: MS

Note: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

NOTE: Solvents & Petroleum DOES NOT accept waste containing PCB'S >25ppm, Dixon, Radioactive, or Biological Compounds

Waste Profile Sheet

Solvents & Petroleum Service							APPROVAL #	FINGERENVIRO54					
1405 Brewerton Rd. Syracuse, NY 13208							Recertification?	NO		Approval #	SAME		
Phone (315)454-4467 - Fax (315)454-8230							Sample #	NONE					
EPA ID# NYD013277454							Date Submitted	06/20/2023					
							Salesperson	MARK FARRELL					
GENERAL INFORMATION													
Generator Name:	NYS DEP OF ENVIRONMENTAL CONSERVATION						Billing Name:	FINGERLAKES ENVIROTECH					
Address:	625 BROADWAY 112TH FLOOR						Address:	691 ADDISON ROAD					
City:	ALBANY	State:	NY	ZIP:	12233		City:	PAINTED POST	State:	NY	ZIP:	14870	
Phone:	607-936-1222	Fax:					Phone:	607-936-1222					
Technical Contact:	LISA GORTON						Fax:	607-937-4006					
EPA ID#	NYR 000 262 352						Billing Contact:	KYLE STONE					
WASTE & DOT INFORMATION													
Name of Waste:	WASTE SOIL & POLY SHEETING SATURATED SOLVENTS												
Process Generating Waste:	VARIOUS SPILL CLEAN UPS												
Generation Source Code G	G32	Waste Form Code W					W002	SIC Code					
Is this a Virgin Product or Chemical?			Yes	X	No								
Elevated temperature Material? (ship>100° F)			Yes	X	No								
US EPA Hazardous Waste? (40CFR Part 261)	X	Yes		No		Waste Water	X	Non-Wastewater					
US DOT Hazardous Material? (49CFR 171-177)		X	Yes		No								
US DOT Hazardous Substance? (49CFR 302)		X	Yes		No								
Does your waste contain Marine pollutant?		Yes	X	No	Please list:								
Proper Shipping Name:	RQ, UN3179, WASTE FLAMMABLE SOLIDS, TOXIC, INORGANIC, N.O.S. (XYLENE)												
Hazardous class:	4.1(6.1)	DOT Labels:	FLAMMABLE SOLIDS				UN/NA	UN3179	Pkg Group	II			
Reportable Quantity:	100 LBS	Based on:	D001					ERG #	134				
Identify **ALL** applicable US EPA waste codes:	D001, D035, F003, F005												
Packaging:		Bulk Solid		Bulk Liquid	OHD55	Drums - Type Size	STEEL		Other				
Anticipated Volume	1 - 3 DRUMS	Frequency:		Monthly		Quarterly		Yearly	X	One Time			
Transportation Equipment:		Tank Truck	X	Liftgate		Vacuum		Roll off		Box Trailer		Tank Car	

CHEMICAL COMPOSITION: List **ALL** Constituents present in any combination. Attach analytical or MSDS if available.		**PHYSICAL CHARACTERISTICS**											
Constituents	**Range /Units**	Physical State @70°		Liquid		Sludge	X	Solid		Powder	X	Debris	
SOLID FOAM	50-100%	Specific Gravity:	N/A	to	N/A	pH Range		N/A	to	N/A			
SOIL	10-20%	Flash(°F)	<140					Actual					
MEK	0-10%	BTU/Pound	>8000										
XYLENE	0-10%	Odor	STRONG					Color	VARIES				
TOLUENE	0-10%	Pumpable @ 70° F		Yes		X		No					
		Viscosity		Low				Medium		X	High		
		Boiling Point		X	>95° F			<95° F					
		0	% Water	100	% Solid	0		% Chlorine					
				0	% Dissolved Solids								
				0	% Suspended Solids								
				0	% Ash Content								

Submitted for:		Reclaim		Fractionation	X	Fuels		Pumpable		Dispersible		X	Solids<250#	X	Solids>250#
		Processable Solids	X	Inceneration		Landfill		Haz Water	X	Non-Haz Water			Other		

SPS **Use Only**:															
Approved for:		Reclaim		Fractionation	X	Fuels		Pumpable		Dispersible		X	Solids<250#	X	Solids>250#
		Processable Solids	X	Inceneration		Landfill		Haz Water	X	Non-Haz Water			Other		
Approved by:	EDGARDO LEÓN			Date	07/20/2023			Handling Code M							
Special Precautions	SITE NO: 828026B														
Comments	SITE LOCATION: 80 LYNDON RD, FAIRPORT, NY 14450											Off-site Approval #			

Waste Stream WASTE SHEETING & SOLVENTS

Does Your Waste Exhibit the Following Properties?:	NO	
Hydrophonic (Reacts with water)		Yes
Pyrophonic (Reacts with Flame)		Yes
Shock Sensitive (Reacts with movement)		Yes
Thermally Sensitive (Reacts when heated)		Yes
Acid Reactive		Yes
Oxidizer		Yes
Alkaline Reactive		Yes
Auto Polymerizer		Yes

Does Your Waste Contain:	NO		Actual Range
PCB"s > 25ppm		Yes	
Phenolics >100ppm		Yes	
Free Ammonia		Yes	
Free Sulfides		Yes	
Free Cyanides		Yes	
OSHA Carcinogens		Yes	
Dioxins		Yes	
Pesticides		Yes	
NESHAP Benzene >10%		Yes	

METALS & ORGANICS [ ] TCLP [ ] TOTAL [X] NONE IN THIS SECTION

D-Code Constituents		Reg. Level	Actual Range		Reg. Level	Actual Range
D004 Arsenic		>= 5.0 mg/l		D028 1,2-Dichloroethane	>=0.5 mg/l	
D005 Barium		>=100 mg/l		D029 1,1-Dichloroethylene	>=0.7 mg/l	
D006 Cadmium		>=1.0 mg/l		D030 1,4-Dinitrotoluene	>=0.13 mg/l	
D007 Chromium		>=5.0 mg/l		D031 Heptachlor (and it's epoxide)	>=0.008 mg/l	
D008 Lead		>=5.0 mg/l		D032 Hexachlorobenzene	>=0.13 mg/l	
D009 Mercury		>=0.2 mg/l		D033 Hexachlorobutadiene	>=0.5 mg/l	
D010 Selenium		>=1.0 mg/l		D034 Hexachloroethane	>=3.0 mg/l	
D011 Silver		>=5.0 mg/l		D035 Methyl Ethyl Ketone	X >=200 mg/l	
D012 Endrin		>=0.02 mg/l		D036 Nitrobenzene	>=2.0 mg/l	
D013 Lindane		>=0.4 mg/l		D037 Pentachlorophenol	>=100 mg/l	
D014 Methoxychlor		>=10.0 mg/l		D038 Pyridine	>=5.0 mg/l	
D015 Toxaphene		>=0.5 mg/l		D039 Tetrachloroethylene	>=0.7 mg/l	
D016 2,4-D		>=10.0 mg/l		D040 Trichloroethylene	>=0.5 mg/l	
D017 2,4,5-TP Silver		>=1.0 mg/l		D041 2,4,5-Trichlorophenol	>=400 mg/l	
D018 Benzene		>=0.5 mg/l		D042 2,4,6-Trichlorophenol	>=2.0 mg/l	
D019 Carbon Tetachloride		>=0.5 mg/l		D043 Vinyl Chloride	>=0.2 mg/l	
D020 Chlordane		>=0.03 mg/l		Other Metals		
D021 Chlorobenzene		>=100 mg/l		Aluminum	>=5.0 mg/l	
D022 Chloroform		>=6.0 mg/l		Beryllium	>=10.0 mg/l	
D023 O-Cresol		>=200 mg/l		Copper	>=1500 mg/l	
D024 m-Cresol		>=200 mg/l		Maganese	>=100 mg/l	
D025 p-Cresol		>=200 mg/l		Nickel	>=1000 mg/l	
D026 Cresol		>=200 mg/l		Thallium	>=100 mg/l	
D027 1,4-Dichlorobenzene		>=7.5 mg/l		Zinc	>=3000 mg/l	

California List Contaminants: [X] Unknown [ ] None Present Thallium >130 mg/l [ ] Yes [X] No

Nickel >134 mg/l [ ] Yes [X] No HOC'S >1000 mg/l [ ] Yes [X] No

SUPPLEMENTAL INFORMATION:

NOTE: Waste submitted for Land Disposal requires MSDS, Analytical, or Sample for analysis. Similar information may be required for other waste streams. Waste submitted for Reclaim or Fractionation requires Sample and Return Specifications.

Supplemental Information Attached? [X] Yes [ ] No [X] Lab Analysis [ ] Profile [ ] MSDS [ ] Other _____

Sample Submitted ith Waste Data Sheet? [ ] Yes [X] No Date previously submitted: _____

Reclaim/Fractionation Specifications Submitted? [ ] Yes [X] No

If this waste contains halogens >1000ppm, what is the source? _____

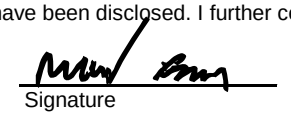
If this waste contains halogens >1000ppm, I hereby rebut the presumption that our used oil has been mixed with halogenated hazardous waste listed in subpart D of part 261 of 40CFR. The total halogens present do not come from halogenated solvents.

[ ] Yes [ ] No [X] Not Applicable (this waste contains <1000 ppm halogens, or is not a used oil)

GENERATOR CERTIFICATION:

I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the submitted information is true, accurate and complete, and that all known and suspected hazards have been disclosed. I further certify that the sample I submitted with this profile is truly representative of this waste stream.

Mohamed Sahraoui / Project Manager — Printed Name/Title

 — Signature

08/17/2023 — Date

Authorization to Correct WPS:

I authorize Solvents & Petroleum Corporation to make corrections to this WPS form, such corrections being consistent with the results of sample characterzation and/or regulatory requirements of N.Y. DEC. I understand that a corrected copy will be sent to me.

[✓] Yes [ ] No Initial: MS

Note: Any significant changes or deviations from the waste received versus the information on this form requires amendment.

NOTE: Solvents & Petroleum DOES NOT accept waste containing PCB'S >25ppm, Dixon, Radioactive, or Biological Compounds

NOTIFICATION OF HAZARDOUS WASTE RESTRICTED FROM LAND DISPOSAL

Solvents & Petr... EPA ID# NYD013277454

Generator Name ...F ENVIRONMENTAL CONSERVATION ID# NYR 000 260 352

Address 625 BROADWAY 112TH FLOOR, ALBANY, NY 12233 (SITE: 80 LYNDON ROAD, FAIRPORT, NY 14450; ID 828026B)

Profile # FINGERENVIRO54 Manifest 018893289FLE Line item 9B.1 & 9B.2

EPA Waste Codes D001, D035, F003, F005

This waste is a NON-WASTEWATER (A Wastewater contains < 1% by weight TOC &<1% by weight TSS)

EPA Waste Codes	Waste Description & Treatment/regulatory Subcategory	Concentration in mg/l or Technology Code
[ ]	**D001** High TOC Ignitable characteristic liquids subcategory based on 40 Cfr 261.2(a)(I) (greater than or equal to 10% TOC)	RORGS; or CMBTS or POLYM
[X]	**D001** Ignitable characteristics wastes, except for 261.21(a)(I) the High TOC Subcategory	DEACT & meet 268.48 standards (see page 2); or RORGS; or CMBST
[ ]	**D002** Corrosive characteristic wastes	DEACT & meet 268.48 standards (see page 2)
[ ]	**D003** _____ List the subcategory for this code. See 40CFR 268.40	_____

D004-D011 Metals Expressed in Concentrations of mg/l(TCLP) and Must Meet 268.48. See Page 2

[ ]	**D004** Arsenic 5.0	[ ]	**D008** Lead 0.75 Non Battery Subcategory
[ ]	**D005** Barium 21	[ ]	**D009** Mercury 0.20 low mercury subcategory
[ ]	**D006** Cadmium 0.11 Non Battery Subcategory	[ ]	**D010** Selenium 5.7
[ ]	**D007** Chromium 0.60	[ ]	**D011** Silver 0.14

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48. See Page 2

[ ]	**D012** Endrin 0.13	[ ]	**D024** m-Cresol 5.6	[ ]	**D036** Nitrobenzene 14
[ ]	**D013** Lindane 0.066	[ ]	**D025** p-Cresol 5.6	[ ]	**D037** Pentachlorophenol 7.4
[ ]	**D014** Methoxychlor 1.08	[ ]	**D026** Cresol Mixed Isomer 11.2	[ ]	**D038** Pyridine 16
[ ]	**D015** Toxaphane 2.6	[ ]	**D027** p-Dichlorobenzenz 6.0	[ ]	**D039** Tetrachloroethylene 6.0
[ ]	**D016** 2,4 D 10	[ ]	**D028** 1,2-Dichloroethane 6.0	[ ]	**D040** Trichloroethylene 6.0
[ ]	**D017** 2,4,5-TP Silvex 7.9	[ ]	**D029** 1,1-Dichloroethylene 6.0	[ ]	**D041** 2,4,5-Trichlorophenol 7.4
[ ]	**D018** Benzene 10	[ ]	**D030** 2,4-Dinitrotoluene 140	[ ]	**D042** 2,4,6-Trichlorophenol 7.4
[ ]	**D019** Carbon Tetrachloride 6.0	[ ]	**D031** Heptachlor & Epoxides 0.066	[ ]	**D043** Vinyl Chloride 6.0
[ ]	**D020** Chlordane 0.26	[ ]	**D032** Hexachlorobenzene 10		
[ ]	**D021** Chlorobenzene 6.0	[ ]	**D033** Hexachlorobutadiene 5.6		
[ ]	**D022** Chloroform 6.0	[ ]	**D034** Hexachloroethane 30		
[ ]	**D023** o-Cresol 5.6	[X]	**D035** Methyl Ethyl Ketone 36		

F001-F005 Solvents Expressed in mg/kg

[X]	Acetone 160	[ ]	Isobutyl Alcohol 170
[ ]	Benzene 10	[ ]	Methylene Chloride 30
[ ]	N-butyl alcohol 2.6	[ ]	Methyl Ethyl Ketone 36
[ ]	Carbon Tetrachloride	[ ]	Methyl Isobutyl Ketone 33
[ ]	Chlorobenzene 6.0	[ ]	Nitrobenzene 14
[ ]	o-Cresol 5.6	[ ]	Pyridine 16
[ ]	m-Cresol 5.6	[ ]	Tetrachloroethylene 6.0
[ ]	p-Cresol 5.6	[ ]	Toluene 10
[ ]	Cresol Mixed isomers 11.2	[ ]	111-Trichloroethane 6.0
[ ]	O-Dichlorobenzenz 6.0	[ ]	112-Trichloroethane 6.0
[ ]	Ethyl Acetate 33	[ ]	122-Trifluoroethane 30
[ ]	Ethyl Benzene 10	[ ]	Trichloroethylene 6.0
[ ]	Ethyl Ether 160	[ ]	Tricholromonofluoromethane 30
		[X]	Xylene (mixed isomers) 30

F003-5 Solvents and Subcategories

F003/F005 wastes that contain any ***combination*** of the following three solvents as the only F003/F005 solvents

- [ ] Carbon disulfide 4.8 mg/1 TCLP
- [ ] Cyclohexanone 0.75 mg/1 TCLP
- [ ] Methanol 0.75 mg/1 TCLP

F005 waste containing one of the following solvents as the only ***listed*** F005 solvent

- [ ] 2-nitropropane
- [ ] 2-ethoxyethanol

Check ONE:

- [X] Knowledge of Waste & Generating Process
- [ ] Attached Analysis

For F039 Constituents of Concern and Underlying Hazardous Constituents fo characteristic wastes, D001-D043, complete addendum.

This Waste Stream conforms to the description of and is identified as a resticted waste. It must meet the treatment standards for the codes and constituents listed in this notification before it qualifies for disposal in a secure landfill.

Signature/Title Rebecca Britt/Ramboll/as Agent for ~~NYSDEP~~ NYSDEC (Agent in Part) Date of shipment 9/13/23

This must be an authorized signature certifying th information.

rev 12/99

KEEP ONE COPY FOR YOUR FILES

PLEASE SIGN & RETURN

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000262352	1	1-800-424-9300	018893289 FLE

GENERATOR

5. Generator's Name and Mailing Address

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 BROADWAY 112TH FLOOR, ALBANY, NY 12233
Generator's Phone: 607-936-1222

Generator's Site Address (if different than mailing address)

80 LYNDON ROAD
FAIRPORT, NY 14450

6. Transporter 1 Company Name: T & R ENVIRONMENTAL — U.S. EPA ID Number: NYR000178632

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address

SOLVENTS & PETROLEUM SERVICE, INC.
1405 BREWERTON RD, SYRACUSE NY 13208
Facility's Phone: 315 454-4467

U.S. EPA ID Number: NYD013277454

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN1325, WASTE FLAMMABLE SOLIDS, ORGANIC, N.O.S. (XYLENE), 4.1, PG II	1	DM	500	P	D001 D035 F003 F005
X	2. RQ, UN1325, WASTE FLAMMABLE SOLIDS, ORGANIC, N.O.S. (XYLENE), 4.1, PG II	1	DM	400	P	D001 D035 F003 F005
X	3. RQ, UN1325, WASTE FLAMMABLE SOLIDS, ORGANIC, N.O.S. (XYLENE), 4.1, PG II	2	DM	80	P	D001 D035 F003 F005
	4.					

14. Special Handling Instructions and Additional Information

9B.1: ERG 133, APP# FINGERENVIRO51 (WASTE FOAM SOLID WITH SOLVENTS), 55-G (OVP)
9B.2: ERG 133, APP# FINGERENVIRO51 (WASTE FOAM SOLID WITH SOLVENTS), 55-G
9B.3: ERG 133, APP# FINGERENVIRO52 (WASTE PPE & DEBRIS SATURATED WITH SOLVENTS), 55-G
NYSDEC ID NUMBER: 828026B

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Rebecca Britt, Ramboll as agent for NYSDEC (Agent in Fact) — Signature: Rebecca Britt, Ramboll, as agent for NYSDEC (Agent in Fact) — Month: 9 Day: 13 Year: 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141	H141	

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number NYR000262352	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Manifest Tracking Number 018893290 FLE

GENERATOR

5. Generator's Name and Mailing Address
NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 BROADWAY 112TH FLOOR, ALBANY, NY 12233
Generator's Phone: 607-936-1222

Generator's Site Address (if different than mailing address)
80 LYNDON ROAD
FAIRPORT, NY 14450

6. Transporter 1 Company Name
T & R ENVIRONMENTAL
U.S. EPA ID Number NYR000178632

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
SOLVENTS & PETROLEUM SERVICE, INC.
1405 BREWERTON RD, SYRACUSE NY 13208
Facility's Phone: 315 454-4467
U.S. EPA ID Number NYD013277454

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (XYLENE), 3, PG II	1	DM	55	G	D001 D035 F003 F005
X	2. RQ, UN1325, WASTE FLAMMABLE SOLIDS, ORGANIC, N.O.S. (XYLENE), 4.1, PG II	1	DM	400	P	D001 D035 F003 F005
	3.					
	4.					

14. Special Handling Instructions and Additional Information
9B.1: ERG 128, APP# FINGERENVIRO53 (WASTE WELL WATER WITH SOLVENTS), 55-G
9B.2: ERG 133, APP# FINGERENVIRO54 (WASTE SOIL & POLY SHEETING WITH SOLVENTS), 55-G

NYSDEC ID NUMBER: 828026B

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Rebecca Britt, Ramboll as agent for NYSDEC (Agent in fact)
Signature: Rebecca Britt, Ramboll as agent for NYSDEC (Agent in fact)
Month 9 Day 13 Year 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Sam Sherp
Signature: Sam Sherp
Month 9 Day 13 Year 23

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

APPENDIX 10
CAMP DATA

TrakPro Version 4.70 ASCII Data File

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530130711
Test ID:,001
Test Abbreviation:,MANUAL_001
Start Date:,02/23/2023
Start Time:,09:16:58
Duration (dd:hh:mm:ss):,0:04:52:00
Log Interval (mm:ss):,01:00
Number of points:,292
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.011
,Minimum:,0.007
,Time of Minimum:,09:18:58
,Date of Minimum:,02/23/2023
,Maximum:,0.033
,Time of Maximum:,13:07:58
,Date of Maximum:,02/23/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
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Model:,DustTrak II
Model Number:,8530
Serial Number:,8530130711
Test ID:,002
Test Abbreviation:,MANUAL_002
Start Date:,02/24/2023
Start Time:,09:18:44
Duration (dd:hh:mm:ss):,0:04:14:00
Log Interval (mm:ss):,01:00
Number of points:,254
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.009
,Minimum:,0.007
,Time of Minimum:,09:20:44
,Date of Minimum:,02/24/2023
,Maximum:,0.090
,Time of Maximum:,12:49:44
,Date of Maximum:,02/24/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
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Model:,DustTrak II
Model Number:,8530
Serial Number:,8530130711
Test ID:,003
Test Abbreviation:,MANUAL_003
Start Date:,02/27/2023
Start Time:,09:21:36
Duration (dd:hh:mm:ss):,0:06:44:00
Log Interval (mm:ss):,01:00
Number of points:,404
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.012
,Minimum:,0.009
,Time of Minimum:,15:45:36
,Date of Minimum:,02/27/2023
,Maximum:,0.015
,Time of Maximum:,10:16:36
,Date of Maximum:,02/27/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
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Model Number:,8530
Serial Number:,8530130711
Test ID:,004
Test Abbreviation:,MANUAL_004
Start Date:,02/28/2023
Start Time:,09:09:15
Duration (dd:hh:mm:ss):,0:05:01:00
Log Interval (mm:ss):,01:00
Number of points:,301
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3

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,Minimum:,0.004
,Time of Minimum:,09:18:15
,Date of Minimum:,02/28/2023
,Maximum:,0.052
,Time of Maximum:,10:19:15
,Date of Maximum:,02/28/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
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02/28/2023,13:40:15,0.017
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02/28/2023,14:01:15,0.018
02/28/2023,14:02:15,0.016
02/28/2023,14:03:15,0.018
02/28/2023,14:04:15,0.017
02/28/2023,14:05:15,0.018
02/28/2023,14:06:15,0.016
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02/28/2023,14:08:15,0.015
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02/28/2023,14:10:15,0.015

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530130711
Test ID:,005
Test Abbreviation:,MANUAL_005
Start Date:,03/01/2023
Start Time:,09:15:33
Duration (dd:hh:mm:ss):,0:01:59:00
Log Interval (mm:ss):,01:00
Number of points:,119
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.018
,Minimum:,0.017
,Time of Minimum:,09:32:33
,Date of Minimum:,03/01/2023
,Maximum:,0.029
,Time of Maximum:,10:23:33
,Date of Maximum:,03/01/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/01/2023,09:16:33,0.025
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03/01/2023,09:35:33,0.018
03/01/2023,09:36:33,0.018
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03/01/2023,10:45:33,0.017
03/01/2023,10:46:33,0.017
03/01/2023,10:47:33,0.018
03/01/2023,10:48:33,0.018
03/01/2023,10:49:33,0.018
03/01/2023,10:50:33,0.019
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03/01/2023,10:55:33,0.022
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03/01/2023,10:57:33,0.019
03/01/2023,10:58:33,0.019
03/01/2023,10:59:33,0.019
03/01/2023,11:00:33,0.020
03/01/2023,11:01:33,0.020
03/01/2023,11:02:33,0.020
03/01/2023,11:03:33,0.019

03/01/2023,11:04:33,0.019
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Model:,DustTrak II
Model Number:,8530
Serial Number:,8530130711
Test ID:,006
Test Abbreviation:,MANUAL_006
Start Date:,03/02/2023
Start Time:,09:05:52
Duration (dd:hh:mm:ss):,0:06:09:00
Log Interval (mm:ss):,01:00
Number of points:,369
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.043
,Minimum:,0.027
,Time of Minimum:,14:53:52
,Date of Minimum:,03/02/2023
,Maximum:,0.084
,Time of Maximum:,11:05:52
,Date of Maximum:,03/02/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/02/2023,09:06:52,0.037
03/02/2023,09:07:52,0.038
03/02/2023,09:08:52,0.039
03/02/2023,09:09:52,0.038
03/02/2023,09:10:52,0.047
03/02/2023,09:11:52,0.053
03/02/2023,09:12:52,0.038
03/02/2023,09:13:52,0.040
03/02/2023,09:14:52,0.038
03/02/2023,09:15:52,0.038
03/02/2023,09:16:52,0.036

03/02/2023,09:17:52,0.037
03/02/2023,09:18:52,0.035
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03/02/2023,13:33:52,0.043
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03/02/2023,13:36:52,0.055
03/02/2023,13:37:52,0.045
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03/02/2023,13:39:52,0.043
03/02/2023,13:40:52,0.044
03/02/2023,13:41:52,0.043
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03/02/2023,13:47:52,0.076
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03/02/2023,13:56:52,0.063
03/02/2023,13:57:52,0.040
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03/02/2023,14:30:52,0.041
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03/02/2023,14:32:52,0.043
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03/02/2023,14:34:52,0.048
03/02/2023,14:35:52,0.038
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03/02/2023,14:41:52,0.036
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03/02/2023,14:45:52,0.032
03/02/2023,14:46:52,0.035
03/02/2023,14:47:52,0.039
03/02/2023,14:48:52,0.038
03/02/2023,14:49:52,0.039
03/02/2023,14:50:52,0.046
03/02/2023,14:51:52,0.066
03/02/2023,14:52:52,0.034
03/02/2023,14:53:52,0.027
03/02/2023,14:54:52,0.043
03/02/2023,14:55:52,0.029
03/02/2023,14:56:52,0.028
03/02/2023,14:57:52,0.042
03/02/2023,14:58:52,0.028
03/02/2023,14:59:52,0.028
03/02/2023,15:00:52,0.035
03/02/2023,15:01:52,0.033
03/02/2023,15:02:52,0.039
03/02/2023,15:03:52,0.033
03/02/2023,15:04:52,0.040
03/02/2023,15:05:52,0.043
03/02/2023,15:06:52,0.035

03/02/2023,15:07:52,0.031
03/02/2023,15:08:52,0.067
03/02/2023,15:09:52,0.038
03/02/2023,15:10:52,0.030
03/02/2023,15:11:52,0.035
03/02/2023,15:12:52,0.032
03/02/2023,15:13:52,0.029
03/02/2023,15:14:52,0.030

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530130711
Test ID:,007
Test Abbreviation:,MANUAL_007
Start Date:,03/07/2023
Start Time:,08:47:45
Duration (dd:hh:mm:ss):,0:01:50:00
Log Interval (mm:ss):,01:00
Number of points:,110
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.037
,Minimum:,0.006
,Time of Minimum:,08:49:45
,Date of Minimum:,03/07/2023
,Maximum:,0.331
,Time of Maximum:,09:45:45
,Date of Maximum:,03/07/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/07/2023,08:48:45,0.013
03/07/2023,08:49:45,0.006
03/07/2023,08:50:45,0.008
03/07/2023,08:51:45,0.007
03/07/2023,08:52:45,0.009
03/07/2023,08:53:45,0.036
03/07/2023,08:54:45,0.030
03/07/2023,08:55:45,0.009
03/07/2023,08:56:45,0.012
03/07/2023,08:57:45,0.013
03/07/2023,08:58:45,0.020
03/07/2023,08:59:45,0.020
03/07/2023,09:00:45,0.018
03/07/2023,09:01:45,0.010

03/07/2023,09:02:45,0.031
03/07/2023,09:03:45,0.011
03/07/2023,09:04:45,0.019
03/07/2023,09:05:45,0.012
03/07/2023,09:06:45,0.015
03/07/2023,09:07:45,0.017
03/07/2023,09:08:45,0.037
03/07/2023,09:09:45,0.010
03/07/2023,09:10:45,0.026
03/07/2023,09:11:45,0.007
03/07/2023,09:12:45,0.053
03/07/2023,09:13:45,0.033
03/07/2023,09:14:45,0.026
03/07/2023,09:15:45,0.006
03/07/2023,09:16:45,0.013
03/07/2023,09:17:45,0.037
03/07/2023,09:18:45,0.022
03/07/2023,09:19:45,0.025
03/07/2023,09:20:45,0.200
03/07/2023,09:21:45,0.135
03/07/2023,09:22:45,0.095
03/07/2023,09:23:45,0.195
03/07/2023,09:24:45,0.007
03/07/2023,09:25:45,0.007
03/07/2023,09:26:45,0.012
03/07/2023,09:27:45,0.081
03/07/2023,09:28:45,0.145
03/07/2023,09:29:45,0.090
03/07/2023,09:30:45,0.052
03/07/2023,09:31:45,0.008
03/07/2023,09:32:45,0.019
03/07/2023,09:33:45,0.084
03/07/2023,09:34:45,0.048
03/07/2023,09:35:45,0.008
03/07/2023,09:36:45,0.008
03/07/2023,09:37:45,0.060
03/07/2023,09:38:45,0.086
03/07/2023,09:39:45,0.007
03/07/2023,09:40:45,0.007
03/07/2023,09:41:45,0.028
03/07/2023,09:42:45,0.066
03/07/2023,09:43:45,0.269
03/07/2023,09:44:45,0.039
03/07/2023,09:45:45,0.331
03/07/2023,09:46:45,0.016
03/07/2023,09:47:45,0.008
03/07/2023,09:48:45,0.007
03/07/2023,09:49:45,0.007
03/07/2023,09:50:45,0.007
03/07/2023,09:51:45,0.007

03/07/2023,09:52:45,0.007
03/07/2023,09:53:45,0.007
03/07/2023,09:54:45,0.007
03/07/2023,09:55:45,0.007
03/07/2023,09:56:45,0.007
03/07/2023,09:57:45,0.007
03/07/2023,09:58:45,0.007
03/07/2023,09:59:45,0.007
03/07/2023,10:00:45,0.007
03/07/2023,10:01:45,0.007
03/07/2023,10:02:45,0.007
03/07/2023,10:03:45,0.007
03/07/2023,10:04:45,0.007
03/07/2023,10:05:45,0.007
03/07/2023,10:06:45,0.007
03/07/2023,10:07:45,0.007
03/07/2023,10:08:45,0.007
03/07/2023,10:09:45,0.007
03/07/2023,10:10:45,0.013
03/07/2023,10:11:45,0.138
03/07/2023,10:12:45,0.092
03/07/2023,10:13:45,0.036
03/07/2023,10:14:45,0.193
03/07/2023,10:15:45,0.007
03/07/2023,10:16:45,0.017
03/07/2023,10:17:45,0.010
03/07/2023,10:18:45,0.007
03/07/2023,10:19:45,0.007
03/07/2023,10:20:45,0.010
03/07/2023,10:21:45,0.025
03/07/2023,10:22:45,0.014
03/07/2023,10:23:45,0.026
03/07/2023,10:24:45,0.023
03/07/2023,10:25:45,0.014
03/07/2023,10:26:45,0.013
03/07/2023,10:27:45,0.007
03/07/2023,10:28:45,0.007
03/07/2023,10:29:45,0.016
03/07/2023,10:30:45,0.055
03/07/2023,10:31:45,0.007
03/07/2023,10:32:45,0.011
03/07/2023,10:33:45,0.061
03/07/2023,10:34:45,0.079
03/07/2023,10:35:45,0.054
03/07/2023,10:36:45,0.129
03/07/2023,10:37:45,0.087

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530130711

Test ID:,008
Test Abbreviation:,MANUAL_008
Start Date:,03/07/2023
Start Time:,10:55:26
Duration (dd:hh:mm:ss):,0:01:17:00
Log Interval (mm:ss):,01:00
Number of points:,77
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.008
,Minimum:,0.006
,Time of Minimum:,10:57:26
,Date of Minimum:,03/07/2023
,Maximum:,0.027
,Time of Maximum:,11:26:26
,Date of Maximum:,03/07/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/07/2023,10:56:26,0.016
03/07/2023,10:57:26,0.006
03/07/2023,10:58:26,0.006
03/07/2023,10:59:26,0.006
03/07/2023,11:00:26,0.006
03/07/2023,11:01:26,0.006
03/07/2023,11:02:26,0.007
03/07/2023,11:03:26,0.007
03/07/2023,11:04:26,0.007
03/07/2023,11:05:26,0.007
03/07/2023,11:06:26,0.007
03/07/2023,11:07:26,0.007
03/07/2023,11:08:26,0.007
03/07/2023,11:09:26,0.007
03/07/2023,11:10:26,0.007
03/07/2023,11:11:26,0.006
03/07/2023,11:12:26,0.007
03/07/2023,11:13:26,0.007
03/07/2023,11:14:26,0.006
03/07/2023,11:15:26,0.007
03/07/2023,11:16:26,0.007
03/07/2023,11:17:26,0.007
03/07/2023,11:18:26,0.006
03/07/2023,11:19:26,0.007
03/07/2023,11:20:26,0.007
03/07/2023,11:21:26,0.007

03/07/2023,11:22:26,0.007
03/07/2023,11:23:26,0.007
03/07/2023,11:24:26,0.007
03/07/2023,11:25:26,0.022
03/07/2023,11:26:26,0.027
03/07/2023,11:27:26,0.007
03/07/2023,11:28:26,0.007
03/07/2023,11:29:26,0.007
03/07/2023,11:30:26,0.007
03/07/2023,11:31:26,0.007
03/07/2023,11:32:26,0.007
03/07/2023,11:33:26,0.007
03/07/2023,11:34:26,0.007
03/07/2023,11:35:26,0.007
03/07/2023,11:36:26,0.007
03/07/2023,11:37:26,0.007
03/07/2023,11:38:26,0.007
03/07/2023,11:39:26,0.007
03/07/2023,11:40:26,0.007
03/07/2023,11:41:26,0.007
03/07/2023,11:42:26,0.007
03/07/2023,11:43:26,0.007
03/07/2023,11:44:26,0.007
03/07/2023,11:45:26,0.007
03/07/2023,11:46:26,0.007
03/07/2023,11:47:26,0.007
03/07/2023,11:48:26,0.007
03/07/2023,11:49:26,0.007
03/07/2023,11:50:26,0.007
03/07/2023,11:51:26,0.007
03/07/2023,11:52:26,0.007
03/07/2023,11:53:26,0.007
03/07/2023,11:54:26,0.007
03/07/2023,11:55:26,0.007
03/07/2023,11:56:26,0.008
03/07/2023,11:57:26,0.007
03/07/2023,11:58:26,0.008
03/07/2023,11:59:26,0.008
03/07/2023,12:00:26,0.008
03/07/2023,12:01:26,0.008
03/07/2023,12:02:26,0.008
03/07/2023,12:03:26,0.025
03/07/2023,12:04:26,0.009
03/07/2023,12:05:26,0.008
03/07/2023,12:06:26,0.008
03/07/2023,12:07:26,0.008
03/07/2023,12:08:26,0.008
03/07/2023,12:09:26,0.008
03/07/2023,12:10:26,0.010
03/07/2023,12:11:26,0.007

03/07/2023,12:12:26,0.007

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530130711
Test ID:,009
Test Abbreviation:,MANUAL_009
Start Date:,03/07/2023
Start Time:,13:05:06
Duration (dd:hh:mm:ss):,0:02:44:00
Log Interval (mm:ss):,01:00
Number of points:,164
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.008
,Minimum:,0.007
,Time of Minimum:,13:20:06
,Date of Minimum:,03/07/2023
,Maximum:,0.055
,Time of Maximum:,13:06:06
,Date of Maximum:,03/07/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/07/2023,13:06:06,0.055
03/07/2023,13:07:06,0.009
03/07/2023,13:08:06,0.008
03/07/2023,13:09:06,0.008
03/07/2023,13:10:06,0.008
03/07/2023,13:11:06,0.008
03/07/2023,13:12:06,0.008
03/07/2023,13:13:06,0.008
03/07/2023,13:14:06,0.008
03/07/2023,13:15:06,0.008
03/07/2023,13:16:06,0.008
03/07/2023,13:17:06,0.008
03/07/2023,13:18:06,0.008
03/07/2023,13:19:06,0.008
03/07/2023,13:20:06,0.007
03/07/2023,13:21:06,0.008
03/07/2023,13:22:06,0.008
03/07/2023,13:23:06,0.008
03/07/2023,13:24:06,0.008
03/07/2023,13:25:06,0.009
03/07/2023,13:26:06,0.008

03/07/2023,13:27:06,0.008
03/07/2023,13:28:06,0.008
03/07/2023,13:29:06,0.008
03/07/2023,13:30:06,0.008
03/07/2023,13:31:06,0.008
03/07/2023,13:32:06,0.008
03/07/2023,13:33:06,0.008
03/07/2023,13:34:06,0.008
03/07/2023,13:35:06,0.008
03/07/2023,13:36:06,0.008
03/07/2023,13:37:06,0.008
03/07/2023,13:38:06,0.008
03/07/2023,13:39:06,0.008
03/07/2023,13:40:06,0.008
03/07/2023,13:41:06,0.008
03/07/2023,13:42:06,0.008
03/07/2023,13:43:06,0.008
03/07/2023,13:44:06,0.008
03/07/2023,13:45:06,0.008
03/07/2023,13:46:06,0.008
03/07/2023,13:47:06,0.008
03/07/2023,13:48:06,0.008
03/07/2023,13:49:06,0.009
03/07/2023,13:50:06,0.009
03/07/2023,13:51:06,0.009
03/07/2023,13:52:06,0.009
03/07/2023,13:53:06,0.009
03/07/2023,13:54:06,0.009
03/07/2023,13:55:06,0.008
03/07/2023,13:56:06,0.009
03/07/2023,13:57:06,0.009
03/07/2023,13:58:06,0.009
03/07/2023,13:59:06,0.008
03/07/2023,14:00:06,0.009
03/07/2023,14:01:06,0.009
03/07/2023,14:02:06,0.009
03/07/2023,14:03:06,0.008
03/07/2023,14:04:06,0.009
03/07/2023,14:05:06,0.009
03/07/2023,14:06:06,0.008
03/07/2023,14:07:06,0.008
03/07/2023,14:08:06,0.026
03/07/2023,14:09:06,0.009
03/07/2023,14:10:06,0.008
03/07/2023,14:11:06,0.009
03/07/2023,14:12:06,0.008
03/07/2023,14:13:06,0.008
03/07/2023,14:14:06,0.009
03/07/2023,14:15:06,0.009
03/07/2023,14:16:06,0.009

03/07/2023,14:17:06,0.008
03/07/2023,14:18:06,0.008
03/07/2023,14:19:06,0.008
03/07/2023,14:20:06,0.008
03/07/2023,14:21:06,0.009
03/07/2023,14:22:06,0.008
03/07/2023,14:23:06,0.008
03/07/2023,14:24:06,0.008
03/07/2023,14:25:06,0.008
03/07/2023,14:26:06,0.008
03/07/2023,14:27:06,0.008
03/07/2023,14:28:06,0.008
03/07/2023,14:29:06,0.008
03/07/2023,14:30:06,0.008
03/07/2023,14:31:06,0.008
03/07/2023,14:32:06,0.008
03/07/2023,14:33:06,0.008
03/07/2023,14:34:06,0.008
03/07/2023,14:35:06,0.008
03/07/2023,14:36:06,0.008
03/07/2023,14:37:06,0.008
03/07/2023,14:38:06,0.008
03/07/2023,14:39:06,0.009
03/07/2023,14:40:06,0.008
03/07/2023,14:41:06,0.008
03/07/2023,14:42:06,0.008
03/07/2023,14:43:06,0.008
03/07/2023,14:44:06,0.008
03/07/2023,14:45:06,0.008
03/07/2023,14:46:06,0.008
03/07/2023,14:47:06,0.008
03/07/2023,14:48:06,0.008
03/07/2023,14:49:06,0.008
03/07/2023,14:50:06,0.008
03/07/2023,14:51:06,0.008
03/07/2023,14:52:06,0.008
03/07/2023,14:53:06,0.007
03/07/2023,14:54:06,0.008
03/07/2023,14:55:06,0.008
03/07/2023,14:56:06,0.008
03/07/2023,14:57:06,0.008
03/07/2023,14:58:06,0.008
03/07/2023,14:59:06,0.008
03/07/2023,15:00:06,0.008
03/07/2023,15:01:06,0.008
03/07/2023,15:02:06,0.008
03/07/2023,15:03:06,0.008
03/07/2023,15:04:06,0.008
03/07/2023,15:05:06,0.008
03/07/2023,15:06:06,0.008

03/07/2023,15:07:06,0.008
03/07/2023,15:08:06,0.008
03/07/2023,15:09:06,0.009
03/07/2023,15:10:06,0.008
03/07/2023,15:11:06,0.007
03/07/2023,15:12:06,0.008
03/07/2023,15:13:06,0.008
03/07/2023,15:14:06,0.008
03/07/2023,15:15:06,0.007
03/07/2023,15:16:06,0.008
03/07/2023,15:17:06,0.008
03/07/2023,15:18:06,0.007
03/07/2023,15:19:06,0.008
03/07/2023,15:20:06,0.008
03/07/2023,15:21:06,0.008
03/07/2023,15:22:06,0.008
03/07/2023,15:23:06,0.008
03/07/2023,15:24:06,0.008
03/07/2023,15:25:06,0.008
03/07/2023,15:26:06,0.008
03/07/2023,15:27:06,0.008
03/07/2023,15:28:06,0.008
03/07/2023,15:29:06,0.008
03/07/2023,15:30:06,0.008
03/07/2023,15:31:06,0.008
03/07/2023,15:32:06,0.008
03/07/2023,15:33:06,0.008
03/07/2023,15:34:06,0.008
03/07/2023,15:35:06,0.008
03/07/2023,15:36:06,0.008
03/07/2023,15:37:06,0.008
03/07/2023,15:38:06,0.008
03/07/2023,15:39:06,0.008
03/07/2023,15:40:06,0.008
03/07/2023,15:41:06,0.007
03/07/2023,15:42:06,0.008
03/07/2023,15:43:06,0.008
03/07/2023,15:44:06,0.007
03/07/2023,15:45:06,0.007
03/07/2023,15:46:06,0.008
03/07/2023,15:47:06,0.008
03/07/2023,15:48:06,0.007
03/07/2023,15:49:06,0.007

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530130711
Test ID:,010
Test Abbreviation:,MANUAL_010
Start Date:,03/08/2023

Start Time:,08:53:58
Duration (dd:hh:mm:ss):,0:01:33:00
Log Interval (mm:ss):,01:00
Number of points:,47
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.008
,Minimum:,0.000
,Time of Minimum:,10:27:32
,Date of Minimum:,03/08/2023
,Maximum:,0.013
,Time of Maximum:,09:26:58
,Date of Maximum:,03/08/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/08/2023,08:54:58,0.008
03/08/2023,08:55:58,0.006
03/08/2023,08:56:58,0.006
03/08/2023,08:57:58,0.006
03/08/2023,08:58:58,0.007
03/08/2023,08:59:58,0.008
03/08/2023,09:00:58,0.011
03/08/2023,09:01:58,0.011
03/08/2023,09:02:58,0.010
03/08/2023,09:03:58,0.010
03/08/2023,09:04:58,0.007
03/08/2023,09:05:58,0.006
03/08/2023,09:06:58,0.007
03/08/2023,09:07:58,0.006
03/08/2023,09:08:58,0.006
03/08/2023,09:09:58,0.006
03/08/2023,09:10:58,0.006
03/08/2023,09:11:58,0.006
03/08/2023,09:12:58,0.006
03/08/2023,09:13:58,0.006
03/08/2023,09:14:58,0.006
03/08/2023,09:15:58,0.006
03/08/2023,09:16:58,0.006
03/08/2023,09:17:58,0.006
03/08/2023,09:18:58,0.006
03/08/2023,09:19:58,0.007
03/08/2023,09:20:58,0.007
03/08/2023,09:21:58,0.007
03/08/2023,09:22:58,0.007

03/08/2023,09:23:58,0.007
03/08/2023,09:24:58,0.011
03/08/2023,09:25:58,0.007
03/08/2023,09:26:58,0.013
03/08/2023,09:27:58,0.008
03/08/2023,09:28:58,0.007
03/08/2023,09:29:58,0.007
03/08/2023,09:30:58,0.009
03/08/2023,09:31:58,0.012
03/08/2023,09:32:58,0.012
03/08/2023,09:33:58,0.008
03/08/2023,09:34:58,0.007
03/08/2023,09:35:58,0.011
03/08/2023,09:36:58,0.008
03/08/2023,09:37:58,0.008
03/08/2023,09:38:58,0.008
03/08/2023,09:39:58,0.007
03/08/2023,10:27:32,0.000

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530130711
Test ID:,011
Test Abbreviation:,MANUAL_011
Start Date:,03/08/2023
Start Time:,11:09:06
Duration (dd:hh:mm:ss):,0:01:22:00
Log Interval (mm:ss):,01:00
Number of points:,7
Notes:,ERROR: FLOW,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.003
,Minimum:,0.000
,Time of Minimum:,12:31:49
,Date of Minimum:,03/08/2023
,Maximum:,0.004
,Time of Maximum:,11:11:06
,Date of Maximum:,03/08/2023

Calibration,Sensor:,AEROSOL
,Cal. date,04/29/2022

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/08/2023,11:10:06,0.003
03/08/2023,11:11:06,0.004
03/08/2023,11:12:06,0.003
03/08/2023,11:13:06,0.003

03/08/2023,11:14:06,0.003
03/08/2023,11:15:06,0.003
03/08/2023,12:31:49,0.000

TrakPro Version 4.70 ASCII Data File

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530141113
Test ID:,002
Test Abbreviation:,MANUAL_002
Start Date:,02/23/2023
Start Time:,09:13:07
Duration (dd:hh:mm:ss):,0:04:52:00
Log Interval (mm:ss):,01:00
Number of points:,292
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.014
,Minimum:,0.010
,Time of Minimum:,09:30:07
,Date of Minimum:,02/23/2023
,Maximum:,0.052
,Time of Maximum:,13:33:07
,Date of Maximum:,02/23/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
02/23/2023,09:14:07,0.032
02/23/2023,09:15:07,0.012
02/23/2023,09:16:07,0.012
02/23/2023,09:17:07,0.011
02/23/2023,09:18:07,0.015
02/23/2023,09:19:07,0.011
02/23/2023,09:20:07,0.011
02/23/2023,09:21:07,0.012
02/23/2023,09:22:07,0.012
02/23/2023,09:23:07,0.012
02/23/2023,09:24:07,0.013
02/23/2023,09:25:07,0.014
02/23/2023,09:26:07,0.011
02/23/2023,09:27:07,0.011
02/23/2023,09:28:07,0.012
02/23/2023,09:29:07,0.011
02/23/2023,09:30:07,0.010
02/23/2023,09:31:07,0.011
02/23/2023,09:32:07,0.012
02/23/2023,09:33:07,0.013
02/23/2023,09:34:07,0.021

02/23/2023,09:35:07,0.015
02/23/2023,09:36:07,0.017
02/23/2023,09:37:07,0.012
02/23/2023,09:38:07,0.012
02/23/2023,09:39:07,0.012
02/23/2023,09:40:07,0.011
02/23/2023,09:41:07,0.011
02/23/2023,09:42:07,0.011
02/23/2023,09:43:07,0.011
02/23/2023,09:44:07,0.011
02/23/2023,09:45:07,0.011
02/23/2023,09:46:07,0.011
02/23/2023,09:47:07,0.011
02/23/2023,09:48:07,0.015
02/23/2023,09:49:07,0.015
02/23/2023,09:50:07,0.014
02/23/2023,09:51:07,0.016
02/23/2023,09:52:07,0.017
02/23/2023,09:53:07,0.017
02/23/2023,09:54:07,0.024
02/23/2023,09:55:07,0.018
02/23/2023,09:56:07,0.015
02/23/2023,09:57:07,0.011
02/23/2023,09:58:07,0.012
02/23/2023,09:59:07,0.013
02/23/2023,10:00:07,0.011
02/23/2023,10:01:07,0.011
02/23/2023,10:02:07,0.011
02/23/2023,10:03:07,0.012
02/23/2023,10:04:07,0.011
02/23/2023,10:05:07,0.011
02/23/2023,10:06:07,0.011
02/23/2023,10:07:07,0.011
02/23/2023,10:08:07,0.011
02/23/2023,10:09:07,0.012
02/23/2023,10:10:07,0.011
02/23/2023,10:11:07,0.011
02/23/2023,10:12:07,0.012
02/23/2023,10:13:07,0.019
02/23/2023,10:14:07,0.014
02/23/2023,10:15:07,0.017
02/23/2023,10:16:07,0.015
02/23/2023,10:17:07,0.014
02/23/2023,10:18:07,0.014
02/23/2023,10:19:07,0.016
02/23/2023,10:20:07,0.015
02/23/2023,10:21:07,0.017
02/23/2023,10:22:07,0.020
02/23/2023,10:23:07,0.021
02/23/2023,10:24:07,0.021

02/23/2023,10:25:07,0.018
02/23/2023,10:26:07,0.015
02/23/2023,10:27:07,0.015
02/23/2023,10:28:07,0.014
02/23/2023,10:29:07,0.011
02/23/2023,10:30:07,0.011
02/23/2023,10:31:07,0.011
02/23/2023,10:32:07,0.011
02/23/2023,10:33:07,0.011
02/23/2023,10:34:07,0.011
02/23/2023,10:35:07,0.013
02/23/2023,10:36:07,0.014
02/23/2023,10:37:07,0.011
02/23/2023,10:38:07,0.011
02/23/2023,10:39:07,0.012
02/23/2023,10:40:07,0.011
02/23/2023,10:41:07,0.011
02/23/2023,10:42:07,0.011
02/23/2023,10:43:07,0.011
02/23/2023,10:44:07,0.011
02/23/2023,10:45:07,0.013
02/23/2023,10:46:07,0.013
02/23/2023,10:47:07,0.013
02/23/2023,10:48:07,0.014
02/23/2023,10:49:07,0.014
02/23/2023,10:50:07,0.013
02/23/2023,10:51:07,0.012
02/23/2023,10:52:07,0.011
02/23/2023,10:53:07,0.012
02/23/2023,10:54:07,0.012
02/23/2023,10:55:07,0.018
02/23/2023,10:56:07,0.016
02/23/2023,10:57:07,0.014
02/23/2023,10:58:07,0.018
02/23/2023,10:59:07,0.023
02/23/2023,11:00:07,0.014
02/23/2023,11:01:07,0.012
02/23/2023,11:02:07,0.011
02/23/2023,11:03:07,0.011
02/23/2023,11:04:07,0.011
02/23/2023,11:05:07,0.012
02/23/2023,11:06:07,0.012
02/23/2023,11:07:07,0.023
02/23/2023,11:08:07,0.016
02/23/2023,11:09:07,0.012
02/23/2023,11:10:07,0.012
02/23/2023,11:11:07,0.013
02/23/2023,11:12:07,0.013
02/23/2023,11:13:07,0.012
02/23/2023,11:14:07,0.011

02/23/2023,11:15:07,0.011
02/23/2023,11:16:07,0.011
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Model:,DustTrak II
Model Number:,8530
Serial Number:,8530141113
Test ID:,003
Test Abbreviation:,MANUAL_003
Start Date:,02/24/2023
Start Time:,09:19:23
Duration (dd:hh:mm:ss):,0:04:11:00
Log Interval (mm:ss):,01:00
Number of points:,251
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.010
,Minimum:,0.004
,Time of Minimum:,09:29:23
,Date of Minimum:,02/24/2023
,Maximum:,0.033
,Time of Maximum:,12:15:23
,Date of Maximum:,02/24/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
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Model:,DustTrak II
Model Number:,8530
Serial Number:,8530141113
Test ID:,004
Test Abbreviation:,MANUAL_004
Start Date:,02/27/2023
Start Time:,09:17:51
Duration (dd:hh:mm:ss):,0:06:49:00
Log Interval (mm:ss):,01:00
Number of points:,409
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.011
,Minimum:,0.008
,Time of Minimum:,09:25:51
,Date of Minimum:,02/27/2023
,Maximum:,0.039
,Time of Maximum:,09:18:51
,Date of Maximum:,02/27/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
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Model Number:,8530
Serial Number:,8530141113
Test ID:,005
Test Abbreviation:,MANUAL_005
Start Date:,02/28/2023
Start Time:,09:01:22
Duration (dd:hh:mm:ss):,0:06:08:00
Log Interval (mm:ss):,01:00
Number of points:,369
Notes:,

Statistics,Channel:,AEROSOL
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,Minimum:,0.000
,Time of Minimum:,14:13:19
,Date of Minimum:,02/28/2023
,Maximum:,21.300
,Time of Maximum:,14:13:22
,Date of Maximum:,02/28/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
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Model:,DustTrak II
Model Number:,8530
Serial Number:,8530141113
Test ID:,006
Test Abbreviation:,MANUAL_006
Start Date:,03/01/2023
Start Time:,09:12:34
Duration (dd:hh:mm:ss):,0:01:59:00
Log Interval (mm:ss):,01:00
Number of points:,119
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.021

,Minimum:,0.016
,Time of Minimum:,09:18:34
,Date of Minimum:,03/01/2023
,Maximum:,0.410
,Time of Maximum:,09:13:34
,Date of Maximum:,03/01/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
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03/01/2023,10:58:34,0.042
03/01/2023,10:59:34,0.023
03/01/2023,11:00:34,0.022
03/01/2023,11:01:34,0.021
03/01/2023,11:02:34,0.020
03/01/2023,11:03:34,0.020
03/01/2023,11:04:34,0.021
03/01/2023,11:05:34,0.022
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03/01/2023,11:08:34,0.020
03/01/2023,11:09:34,0.022
03/01/2023,11:10:34,0.020
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Model:,DustTrak II
Model Number:,8530
Serial Number:,8530141113
Test ID:,007
Test Abbreviation:,MANUAL_007
Start Date:,03/02/2023
Start Time:,09:09:06
Duration (dd:hh:mm:ss):,0:06:08:00
Log Interval (mm:ss):,01:00
Number of points:,368
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.037
,Minimum:,0.026
,Time of Minimum:,14:52:06
,Date of Minimum:,03/02/2023

,Maximum:,0.042
,Time of Maximum:,10:05:06
,Date of Maximum:,03/02/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
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03/02/2023,09:20:06,0.029
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Model:,DustTrak II
Model Number:,8530
Serial Number:,8530141113
Test ID:,008
Test Abbreviation:,MANUAL_008
Start Date:,03/07/2023
Start Time:,08:48:12
Duration (dd:hh:mm:ss):,0:01:46:00
Log Interval (mm:ss):,01:00
Number of points:,106
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.006
,Minimum:,0.004
,Time of Minimum:,10:24:12
,Date of Minimum:,03/07/2023
,Maximum:,0.014
,Time of Maximum:,08:49:12
,Date of Maximum:,03/07/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
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03/07/2023,09:20:12,0.006
03/07/2023,09:21:12,0.006
03/07/2023,09:22:12,0.006
03/07/2023,09:23:12,0.006
03/07/2023,09:24:12,0.006
03/07/2023,09:25:12,0.006
03/07/2023,09:26:12,0.006
03/07/2023,09:27:12,0.006
03/07/2023,09:28:12,0.006
03/07/2023,09:29:12,0.006
03/07/2023,09:30:12,0.006
03/07/2023,09:31:12,0.006
03/07/2023,09:32:12,0.006
03/07/2023,09:33:12,0.006

03/07/2023,09:34:12,0.006
03/07/2023,09:35:12,0.007
03/07/2023,09:36:12,0.007
03/07/2023,09:37:12,0.006
03/07/2023,09:38:12,0.006
03/07/2023,09:39:12,0.006
03/07/2023,09:40:12,0.006
03/07/2023,09:41:12,0.005
03/07/2023,09:42:12,0.006
03/07/2023,09:43:12,0.006
03/07/2023,09:44:12,0.006
03/07/2023,09:45:12,0.006
03/07/2023,09:46:12,0.005
03/07/2023,09:47:12,0.005
03/07/2023,09:48:12,0.005
03/07/2023,09:49:12,0.005
03/07/2023,09:50:12,0.005
03/07/2023,09:51:12,0.005
03/07/2023,09:52:12,0.005
03/07/2023,09:53:12,0.005
03/07/2023,09:54:12,0.005
03/07/2023,09:55:12,0.005
03/07/2023,09:56:12,0.005
03/07/2023,09:57:12,0.005
03/07/2023,09:58:12,0.005
03/07/2023,09:59:12,0.006
03/07/2023,10:00:12,0.006
03/07/2023,10:01:12,0.005
03/07/2023,10:02:12,0.005
03/07/2023,10:03:12,0.005
03/07/2023,10:04:12,0.005
03/07/2023,10:05:12,0.005
03/07/2023,10:06:12,0.005
03/07/2023,10:07:12,0.005
03/07/2023,10:08:12,0.005
03/07/2023,10:09:12,0.005
03/07/2023,10:10:12,0.005
03/07/2023,10:11:12,0.005
03/07/2023,10:12:12,0.005
03/07/2023,10:13:12,0.005
03/07/2023,10:14:12,0.006
03/07/2023,10:15:12,0.007
03/07/2023,10:16:12,0.005
03/07/2023,10:17:12,0.005
03/07/2023,10:18:12,0.005
03/07/2023,10:19:12,0.006
03/07/2023,10:20:12,0.007
03/07/2023,10:21:12,0.005
03/07/2023,10:22:12,0.005
03/07/2023,10:23:12,0.005

03/07/2023,10:24:12,0.004
03/07/2023,10:25:12,0.004
03/07/2023,10:26:12,0.007
03/07/2023,10:27:12,0.005
03/07/2023,10:28:12,0.006
03/07/2023,10:29:12,0.008
03/07/2023,10:30:12,0.005
03/07/2023,10:31:12,0.006
03/07/2023,10:32:12,0.007
03/07/2023,10:33:12,0.005
03/07/2023,10:34:12,0.004

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530141113
Test ID:,009
Test Abbreviation:,MANUAL_009
Start Date:,03/07/2023
Start Time:,10:54:24
Duration (dd:hh:mm:ss):,0:01:18:00
Log Interval (mm:ss):,01:00
Number of points:,78
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.010
,Minimum:,0.004
,Time of Minimum:,11:00:24
,Date of Minimum:,03/07/2023
,Maximum:,0.055
,Time of Maximum:,12:00:24
,Date of Maximum:,03/07/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/07/2023,10:55:24,0.032
03/07/2023,10:56:24,0.012
03/07/2023,10:57:24,0.005
03/07/2023,10:58:24,0.006
03/07/2023,10:59:24,0.008
03/07/2023,11:00:24,0.004
03/07/2023,11:01:24,0.005
03/07/2023,11:02:24,0.006
03/07/2023,11:03:24,0.008
03/07/2023,11:04:24,0.011
03/07/2023,11:05:24,0.011

03/07/2023,11:06:24,0.014
03/07/2023,11:07:24,0.005
03/07/2023,11:08:24,0.005
03/07/2023,11:09:24,0.005
03/07/2023,11:10:24,0.005
03/07/2023,11:11:24,0.005
03/07/2023,11:12:24,0.034
03/07/2023,11:13:24,0.009
03/07/2023,11:14:24,0.015
03/07/2023,11:15:24,0.015
03/07/2023,11:16:24,0.008
03/07/2023,11:17:24,0.008
03/07/2023,11:18:24,0.006
03/07/2023,11:19:24,0.013
03/07/2023,11:20:24,0.006
03/07/2023,11:21:24,0.005
03/07/2023,11:22:24,0.008
03/07/2023,11:23:24,0.011
03/07/2023,11:24:24,0.012
03/07/2023,11:25:24,0.009
03/07/2023,11:26:24,0.010
03/07/2023,11:27:24,0.006
03/07/2023,11:28:24,0.005
03/07/2023,11:29:24,0.005
03/07/2023,11:30:24,0.005
03/07/2023,11:31:24,0.006
03/07/2023,11:32:24,0.005
03/07/2023,11:33:24,0.006
03/07/2023,11:34:24,0.006
03/07/2023,11:35:24,0.005
03/07/2023,11:36:24,0.008
03/07/2023,11:37:24,0.008
03/07/2023,11:38:24,0.014
03/07/2023,11:39:24,0.007
03/07/2023,11:40:24,0.008
03/07/2023,11:41:24,0.005
03/07/2023,11:42:24,0.005
03/07/2023,11:43:24,0.005
03/07/2023,11:44:24,0.005
03/07/2023,11:45:24,0.005
03/07/2023,11:46:24,0.006
03/07/2023,11:47:24,0.005
03/07/2023,11:48:24,0.005
03/07/2023,11:49:24,0.005
03/07/2023,11:50:24,0.005
03/07/2023,11:51:24,0.021
03/07/2023,11:52:24,0.018
03/07/2023,11:53:24,0.010
03/07/2023,11:54:24,0.007
03/07/2023,11:55:24,0.009

03/07/2023,11:56:24,0.010
03/07/2023,11:57:24,0.016
03/07/2023,11:58:24,0.017
03/07/2023,11:59:24,0.021
03/07/2023,12:00:24,0.055
03/07/2023,12:01:24,0.015
03/07/2023,12:02:24,0.013
03/07/2023,12:03:24,0.025
03/07/2023,12:04:24,0.018
03/07/2023,12:05:24,0.014
03/07/2023,12:06:24,0.011
03/07/2023,12:07:24,0.007
03/07/2023,12:08:24,0.006
03/07/2023,12:09:24,0.005
03/07/2023,12:10:24,0.006
03/07/2023,12:11:24,0.005
03/07/2023,12:12:24,0.005

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530141113
Test ID:,010
Test Abbreviation:,MANUAL_010
Start Date:,03/07/2023
Start Time:,13:04:13
Duration (dd:hh:mm:ss):,0:02:41:00
Log Interval (mm:ss):,01:00
Number of points:,161
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.011
,Minimum:,0.006
,Time of Minimum:,15:35:13
,Date of Minimum:,03/07/2023
,Maximum:,0.041
,Time of Maximum:,15:30:13
,Date of Maximum:,03/07/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/07/2023,13:05:13,0.016
03/07/2023,13:06:13,0.015
03/07/2023,13:07:13,0.018
03/07/2023,13:08:13,0.027
03/07/2023,13:09:13,0.024

03/07/2023,13:10:13,0.017
03/07/2023,13:11:13,0.022
03/07/2023,13:12:13,0.016
03/07/2023,13:13:13,0.012
03/07/2023,13:14:13,0.011
03/07/2023,13:15:13,0.014
03/07/2023,13:16:13,0.012
03/07/2023,13:17:13,0.014
03/07/2023,13:18:13,0.010
03/07/2023,13:19:13,0.008
03/07/2023,13:20:13,0.015
03/07/2023,13:21:13,0.013
03/07/2023,13:22:13,0.011
03/07/2023,13:23:13,0.010
03/07/2023,13:24:13,0.007
03/07/2023,13:25:13,0.008
03/07/2023,13:26:13,0.007
03/07/2023,13:27:13,0.008
03/07/2023,13:28:13,0.008
03/07/2023,13:29:13,0.010
03/07/2023,13:30:13,0.010
03/07/2023,13:31:13,0.007
03/07/2023,13:32:13,0.007
03/07/2023,13:33:13,0.016
03/07/2023,13:34:13,0.007
03/07/2023,13:35:13,0.007
03/07/2023,13:36:13,0.007
03/07/2023,13:37:13,0.007
03/07/2023,13:38:13,0.007
03/07/2023,13:39:13,0.007
03/07/2023,13:40:13,0.007
03/07/2023,13:41:13,0.007
03/07/2023,13:42:13,0.008
03/07/2023,13:43:13,0.007
03/07/2023,13:44:13,0.007
03/07/2023,13:45:13,0.007
03/07/2023,13:46:13,0.007
03/07/2023,13:47:13,0.007
03/07/2023,13:48:13,0.007
03/07/2023,13:49:13,0.007
03/07/2023,13:50:13,0.007
03/07/2023,13:51:13,0.015
03/07/2023,13:52:13,0.010
03/07/2023,13:53:13,0.014
03/07/2023,13:54:13,0.018
03/07/2023,13:55:13,0.024
03/07/2023,13:56:13,0.019
03/07/2023,13:57:13,0.016
03/07/2023,13:58:13,0.008
03/07/2023,13:59:13,0.010

03/07/2023,14:00:13,0.016
03/07/2023,14:01:13,0.018
03/07/2023,14:02:13,0.023
03/07/2023,14:03:13,0.010
03/07/2023,14:04:13,0.011
03/07/2023,14:05:13,0.007
03/07/2023,14:06:13,0.007
03/07/2023,14:07:13,0.007
03/07/2023,14:08:13,0.007
03/07/2023,14:09:13,0.007
03/07/2023,14:10:13,0.009
03/07/2023,14:11:13,0.007
03/07/2023,14:12:13,0.008
03/07/2023,14:13:13,0.010
03/07/2023,14:14:13,0.008
03/07/2023,14:15:13,0.020
03/07/2023,14:16:13,0.011
03/07/2023,14:17:13,0.018
03/07/2023,14:18:13,0.015
03/07/2023,14:19:13,0.008
03/07/2023,14:20:13,0.012
03/07/2023,14:21:13,0.013
03/07/2023,14:22:13,0.010
03/07/2023,14:23:13,0.019
03/07/2023,14:24:13,0.014
03/07/2023,14:25:13,0.014
03/07/2023,14:26:13,0.014
03/07/2023,14:27:13,0.022
03/07/2023,14:28:13,0.012
03/07/2023,14:29:13,0.018
03/07/2023,14:30:13,0.027
03/07/2023,14:31:13,0.009
03/07/2023,14:32:13,0.023
03/07/2023,14:33:13,0.008
03/07/2023,14:34:13,0.009
03/07/2023,14:35:13,0.016
03/07/2023,14:36:13,0.013
03/07/2023,14:37:13,0.014
03/07/2023,14:38:13,0.010
03/07/2023,14:39:13,0.009
03/07/2023,14:40:13,0.009
03/07/2023,14:41:13,0.009
03/07/2023,14:42:13,0.008
03/07/2023,14:43:13,0.008
03/07/2023,14:44:13,0.011
03/07/2023,14:45:13,0.008
03/07/2023,14:46:13,0.011
03/07/2023,14:47:13,0.009
03/07/2023,14:48:13,0.008
03/07/2023,14:49:13,0.010

03/07/2023,14:50:13,0.011
03/07/2023,14:51:13,0.011
03/07/2023,14:52:13,0.011
03/07/2023,14:53:13,0.010
03/07/2023,14:54:13,0.009
03/07/2023,14:55:13,0.010
03/07/2023,14:56:13,0.014
03/07/2023,14:57:13,0.008
03/07/2023,14:58:13,0.008
03/07/2023,14:59:13,0.010
03/07/2023,15:00:13,0.009
03/07/2023,15:01:13,0.010
03/07/2023,15:02:13,0.009
03/07/2023,15:03:13,0.008
03/07/2023,15:04:13,0.009
03/07/2023,15:05:13,0.008
03/07/2023,15:06:13,0.008
03/07/2023,15:07:13,0.008
03/07/2023,15:08:13,0.011
03/07/2023,15:09:13,0.008
03/07/2023,15:10:13,0.011
03/07/2023,15:11:13,0.009
03/07/2023,15:12:13,0.009
03/07/2023,15:13:13,0.009
03/07/2023,15:14:13,0.009
03/07/2023,15:15:13,0.013
03/07/2023,15:16:13,0.015
03/07/2023,15:17:13,0.011
03/07/2023,15:18:13,0.018
03/07/2023,15:19:13,0.008
03/07/2023,15:20:13,0.009
03/07/2023,15:21:13,0.013
03/07/2023,15:22:13,0.010
03/07/2023,15:23:13,0.010
03/07/2023,15:24:13,0.010
03/07/2023,15:25:13,0.014
03/07/2023,15:26:13,0.011
03/07/2023,15:27:13,0.016
03/07/2023,15:28:13,0.015
03/07/2023,15:29:13,0.008
03/07/2023,15:30:13,0.041
03/07/2023,15:31:13,0.025
03/07/2023,15:32:13,0.012
03/07/2023,15:33:13,0.032
03/07/2023,15:34:13,0.009
03/07/2023,15:35:13,0.006
03/07/2023,15:36:13,0.006
03/07/2023,15:37:13,0.007
03/07/2023,15:38:13,0.007
03/07/2023,15:39:13,0.006

03/07/2023,15:40:13,0.006
03/07/2023,15:41:13,0.006
03/07/2023,15:42:13,0.006
03/07/2023,15:43:13,0.006
03/07/2023,15:44:13,0.006
03/07/2023,15:45:13,0.006

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530141113
Test ID:,011
Test Abbreviation:,MANUAL_011
Start Date:,03/08/2023
Start Time:,08:51:06
Duration (dd:hh:mm:ss):,0:01:38:00
Log Interval (mm:ss):,01:00
Number of points:,98
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.006
,Minimum:,0.004
,Time of Minimum:,08:53:06
,Date of Minimum:,03/08/2023
,Maximum:,0.011
,Time of Maximum:,10:28:06
,Date of Maximum:,03/08/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/08/2023,08:52:06,0.007
03/08/2023,08:53:06,0.004
03/08/2023,08:54:06,0.004
03/08/2023,08:55:06,0.005
03/08/2023,08:56:06,0.005
03/08/2023,08:57:06,0.005
03/08/2023,08:58:06,0.005
03/08/2023,08:59:06,0.005
03/08/2023,09:00:06,0.005
03/08/2023,09:01:06,0.005
03/08/2023,09:02:06,0.005
03/08/2023,09:03:06,0.005
03/08/2023,09:04:06,0.006
03/08/2023,09:05:06,0.005
03/08/2023,09:06:06,0.005
03/08/2023,09:07:06,0.005

03/08/2023,09:08:06,0.005
03/08/2023,09:09:06,0.005
03/08/2023,09:10:06,0.005
03/08/2023,09:11:06,0.006
03/08/2023,09:12:06,0.006
03/08/2023,09:13:06,0.005
03/08/2023,09:14:06,0.006
03/08/2023,09:15:06,0.005
03/08/2023,09:16:06,0.005
03/08/2023,09:17:06,0.005
03/08/2023,09:18:06,0.006
03/08/2023,09:19:06,0.006
03/08/2023,09:20:06,0.006
03/08/2023,09:21:06,0.006
03/08/2023,09:22:06,0.006
03/08/2023,09:23:06,0.006
03/08/2023,09:24:06,0.006
03/08/2023,09:25:06,0.006
03/08/2023,09:26:06,0.006
03/08/2023,09:27:06,0.006
03/08/2023,09:28:06,0.006
03/08/2023,09:29:06,0.006
03/08/2023,09:30:06,0.006
03/08/2023,09:31:06,0.006
03/08/2023,09:32:06,0.006
03/08/2023,09:33:06,0.006
03/08/2023,09:34:06,0.006
03/08/2023,09:35:06,0.006
03/08/2023,09:36:06,0.006
03/08/2023,09:37:06,0.006
03/08/2023,09:38:06,0.006
03/08/2023,09:39:06,0.006
03/08/2023,09:40:06,0.006
03/08/2023,09:41:06,0.006
03/08/2023,09:42:06,0.006
03/08/2023,09:43:06,0.006
03/08/2023,09:44:06,0.006
03/08/2023,09:45:06,0.006
03/08/2023,09:46:06,0.006
03/08/2023,09:47:06,0.006
03/08/2023,09:48:06,0.006
03/08/2023,09:49:06,0.006
03/08/2023,09:50:06,0.006
03/08/2023,09:51:06,0.006
03/08/2023,09:52:06,0.006
03/08/2023,09:53:06,0.006
03/08/2023,09:54:06,0.006
03/08/2023,09:55:06,0.006
03/08/2023,09:56:06,0.006
03/08/2023,09:57:06,0.006

03/08/2023,09:58:06,0.006
03/08/2023,09:59:06,0.006
03/08/2023,10:00:06,0.006
03/08/2023,10:01:06,0.006
03/08/2023,10:02:06,0.006
03/08/2023,10:03:06,0.006
03/08/2023,10:04:06,0.006
03/08/2023,10:05:06,0.006
03/08/2023,10:06:06,0.006
03/08/2023,10:07:06,0.006
03/08/2023,10:08:06,0.007
03/08/2023,10:09:06,0.006
03/08/2023,10:10:06,0.007
03/08/2023,10:11:06,0.006
03/08/2023,10:12:06,0.006
03/08/2023,10:13:06,0.006
03/08/2023,10:14:06,0.007
03/08/2023,10:15:06,0.006
03/08/2023,10:16:06,0.006
03/08/2023,10:17:06,0.006
03/08/2023,10:18:06,0.007
03/08/2023,10:19:06,0.007
03/08/2023,10:20:06,0.006
03/08/2023,10:21:06,0.006
03/08/2023,10:22:06,0.007
03/08/2023,10:23:06,0.007
03/08/2023,10:24:06,0.006
03/08/2023,10:25:06,0.007
03/08/2023,10:26:06,0.006
03/08/2023,10:27:06,0.007
03/08/2023,10:28:06,0.011
03/08/2023,10:29:06,0.008

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530141113
Test ID:,012
Test Abbreviation:,MANUAL_012
Start Date:,03/08/2023
Start Time:,11:06:17
Duration (dd:hh:mm:ss):,0:01:27:00
Log Interval (mm:ss):,01:00
Number of points:,87
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.009
,Minimum:,0.006
,Time of Minimum:,12:28:17

,Date of Minimum:,03/08/2023
,Maximum:,0.050
,Time of Maximum:,11:07:17
,Date of Maximum:,03/08/2023

Calibration,Sensor:,AEROSOL
,Cal. date,01/03/2023

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
03/08/2023,11:07:17,0.050
03/08/2023,11:08:17,0.009
03/08/2023,11:09:17,0.009
03/08/2023,11:10:17,0.010
03/08/2023,11:11:17,0.009
03/08/2023,11:12:17,0.011
03/08/2023,11:13:17,0.009
03/08/2023,11:14:17,0.010
03/08/2023,11:15:17,0.010
03/08/2023,11:16:17,0.010
03/08/2023,11:17:17,0.010
03/08/2023,11:18:17,0.009
03/08/2023,11:19:17,0.012
03/08/2023,11:20:17,0.009
03/08/2023,11:21:17,0.011
03/08/2023,11:22:17,0.009
03/08/2023,11:23:17,0.009
03/08/2023,11:24:17,0.014
03/08/2023,11:25:17,0.010
03/08/2023,11:26:17,0.011
03/08/2023,11:27:17,0.012
03/08/2023,11:28:17,0.010
03/08/2023,11:29:17,0.009
03/08/2023,11:30:17,0.008
03/08/2023,11:31:17,0.011
03/08/2023,11:32:17,0.009
03/08/2023,11:33:17,0.008
03/08/2023,11:34:17,0.009
03/08/2023,11:35:17,0.008
03/08/2023,11:36:17,0.009
03/08/2023,11:37:17,0.009
03/08/2023,11:38:17,0.008
03/08/2023,11:39:17,0.008
03/08/2023,11:40:17,0.009
03/08/2023,11:41:17,0.009
03/08/2023,11:42:17,0.008
03/08/2023,11:43:17,0.008
03/08/2023,11:44:17,0.009
03/08/2023,11:45:17,0.008
03/08/2023,11:46:17,0.008

03/08/2023,11:47:17,0.008
03/08/2023,11:48:17,0.008
03/08/2023,11:49:17,0.008
03/08/2023,11:50:17,0.008
03/08/2023,11:51:17,0.015
03/08/2023,11:52:17,0.009
03/08/2023,11:53:17,0.010
03/08/2023,11:54:17,0.011
03/08/2023,11:55:17,0.009
03/08/2023,11:56:17,0.008
03/08/2023,11:57:17,0.008
03/08/2023,11:58:17,0.008
03/08/2023,11:59:17,0.008
03/08/2023,12:00:17,0.007
03/08/2023,12:01:17,0.009
03/08/2023,12:02:17,0.011
03/08/2023,12:03:17,0.007
03/08/2023,12:04:17,0.008
03/08/2023,12:05:17,0.010
03/08/2023,12:06:17,0.018
03/08/2023,12:07:17,0.008
03/08/2023,12:08:17,0.010
03/08/2023,12:09:17,0.008
03/08/2023,12:10:17,0.008
03/08/2023,12:11:17,0.007
03/08/2023,12:12:17,0.008
03/08/2023,12:13:17,0.007
03/08/2023,12:14:17,0.007
03/08/2023,12:15:17,0.007
03/08/2023,12:16:17,0.009
03/08/2023,12:17:17,0.009
03/08/2023,12:18:17,0.012
03/08/2023,12:19:17,0.007
03/08/2023,12:20:17,0.008
03/08/2023,12:21:17,0.007
03/08/2023,12:22:17,0.010
03/08/2023,12:23:17,0.012
03/08/2023,12:24:17,0.009
03/08/2023,12:25:17,0.007
03/08/2023,12:26:17,0.007
03/08/2023,12:27:17,0.007
03/08/2023,12:28:17,0.006
03/08/2023,12:29:17,0.006
03/08/2023,12:30:17,0.007
03/08/2023,12:31:17,0.007
03/08/2023,12:32:17,0.006
03/08/2023,12:33:17,0.006

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23/02/22 12:57
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/22/2023 12:57
End	2/22/2023 12:57
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48

****
Datalog

0 record.

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23/02/23 08:47
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884

Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/23/2023 8:47
End	2/23/2023 8:47
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48

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Datalog

0 record.

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23/02/23 09:27

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/23/2023 9:27
End	2/23/2023 14:20
Sample Period(s)	900
Number of Records	19

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48
Peak	0.1
Min	0
Average	0.1

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/23/2023 9:42	0	0.1	0
2	2/23/2023 9:57	0	0	0
3	2/23/2023 10:12	0	0	0
4	2/23/2023 10:27	0	0	0
5	2/23/2023 10:42	0	0	0
6	2/23/2023 10:57	0	0.1	0
7	2/23/2023 11:12	0	0	0
8	2/23/2023 11:27	0	0.1	0.1
9	2/23/2023 11:42	0.1	0.1	0.1
10	2/23/2023 11:57	0.1	0.1	0.1
11	2/23/2023 12:12	0.1	0.1	0.1
12	2/23/2023 12:27	0.1	0.2	0.1
13	2/23/2023 12:42	0.1	0.1	0.1
14	2/23/2023 12:57	0.1	0.1	0.1
15	2/23/2023 13:12	0.1	0.1	0.1
16	2/23/2023 13:27	0.1	0.1	0.1
17	2/23/2023 13:42	0.1	0.1	0.1
18	2/23/2023 13:57	0.1	0.1	0.1
19	2/23/2023 14:12	0.1	0.1	0.1

Peak	0.1	0.2	0.1
Min	0	0	0
Average	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/23/2023 9:42	0	0
2	2/23/2023 9:57	0	0
3	2/23/2023 10:12	0	0
4	2/23/2023 10:27	0	0
5	2/23/2023 10:42	0	0
6	2/23/2023 10:57	0	0
7	2/23/2023 11:12	0	0
8	2/23/2023 11:27	0	0.1
9	2/23/2023 11:42	0	0.2
10	2/23/2023 11:57	0	0.2
11	2/23/2023 12:12	0	0.2
12	2/23/2023 12:27	0	0.2
13	2/23/2023 12:42	0	0.2
14	2/23/2023 12:57	0	0.2
15	2/23/2023 13:12	0	0.2
16	2/23/2023 13:27	0	0.2
17	2/23/2023 13:42	0	0.2
18	2/23/2023 13:57	0	0.2
19	2/23/2023 14:12	0	0.2

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23/02/24 09:04

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/24/2023 9:04
End	2/24/2023 13:41
Sample Period(s)	900

Number of Records	18

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48
Peak	0.1
Min	0
Average	0.1

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/24/2023 9:19	0	0	0
2	2/24/2023 9:34	0	0	0
3	2/24/2023 9:49	0	0	0
4	2/24/2023 10:04	0	0	0
5	2/24/2023 10:19	0	0	0
6	2/24/2023 10:34	0	0	0
7	2/24/2023 10:49	0	0	0
8	2/24/2023 11:04	0	0	0
9	2/24/2023 11:19	0.1	0.1	0.1
10	2/24/2023 11:34	0.1	0.1	0.1
11	2/24/2023 11:49	0.1	0.1	0.1
12	2/24/2023 12:04	0.1	0.1	0.1
13	2/24/2023 12:19	0.1	0.1	0.1
14	2/24/2023 12:34	0.1	0.1	0.1
15	2/24/2023 12:49	0.1	0.1	0.1
16	2/24/2023 13:04	0.1	0.1	0.1
17	2/24/2023 13:19	0.1	0.1	0.1
18	2/24/2023 13:34	0.1	0.1	0.1
Peak		0.1	0.1	0.1
Min		0	0	0
Average		0.1	0.1	0.1

****

TWA/STEL

	PID(ppm)	PID(ppm)

Index	Date/Time	(TWA)	(STEL)
1	2/24/2023 9:19	0	0
2	2/24/2023 9:34	0	0
3	2/24/2023 9:49	0	0
4	2/24/2023 10:04	0	0
5	2/24/2023 10:19	0	0
6	2/24/2023 10:34	0	0
7	2/24/2023 10:49	0	0
8	2/24/2023 11:04	0	0
9	2/24/2023 11:19	0	0.1
10	2/24/2023 11:34	0	0.2
11	2/24/2023 11:49	0	0.2
12	2/24/2023 12:04	0	0.2
13	2/24/2023 12:19	0	0.2
14	2/24/2023 12:34	0	0.2
15	2/24/2023 12:49	0	0.2
16	2/24/2023 13:04	0	0.2
17	2/24/2023 13:19	0	0.2
18	2/24/2023 13:34	0	0.2

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23/02/27 09:32

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/27/2023 9:32
End	2/27/2023 16:16
Sample Period(s)	900
Number of Records	26

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50

High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48
Peak	0.1
Min	0
Average	0.1

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/27/2023 9:47	0	0	0
2	2/27/2023 10:02	0	0	0
3	2/27/2023 10:17	0	0	0
4	2/27/2023 10:32	0	0	0
5	2/27/2023 10:47	0	0	0
6	2/27/2023 11:02	0	0	0
7	2/27/2023 11:17	0	0	0
8	2/27/2023 11:32	0	0	0
9	2/27/2023 11:47	0	0	0
10	2/27/2023 12:02	0	0	0
11	2/27/2023 12:17	0	0	0
12	2/27/2023 12:32	0	0	0
13	2/27/2023 12:47	0	0.1	0.1
14	2/27/2023 13:02	0.1	0.1	0.1
15	2/27/2023 13:17	0.1	0.1	0.1
16	2/27/2023 13:32	0.1	0.1	0.1
17	2/27/2023 13:47	0.1	0.1	0.1
18	2/27/2023 14:02	0.1	0.1	0.1
19	2/27/2023 14:17	0.1	0.1	0.1
20	2/27/2023 14:32	0.1	0.1	0.1
21	2/27/2023 14:47	0.1	0.1	0.1
22	2/27/2023 15:02	0.1	0.1	0.1
23	2/27/2023 15:17	0.1	0.1	0.1
24	2/27/2023 15:32	0.1	0.1	0.1
25	2/27/2023 15:47	0.1	0.1	0.1
26	2/27/2023 16:02	0.1	0.1	0.1
Peak		0.1	0.1	0.1
Min		0	0	0
Average		0.1	0.1	0.1

****

TWA/STEL

	PID(ppm)	PID(ppm)

Index	Date/Time	(TWA)	(STEL)
1	2/27/2023 9:47	0	0
2	2/27/2023 10:02	0	0
3	2/27/2023 10:17	0	0
4	2/27/2023 10:32	0	0
5	2/27/2023 10:47	0	0
6	2/27/2023 11:02	0	0
7	2/27/2023 11:17	0	0
8	2/27/2023 11:32	0	0
9	2/27/2023 11:47	0	0
10	2/27/2023 12:02	0	0
11	2/27/2023 12:17	0	0
12	2/27/2023 12:32	0	0
13	2/27/2023 12:47	0	0.1
14	2/27/2023 13:02	0	0.2
15	2/27/2023 13:17	0	0.2
16	2/27/2023 13:32	0	0.2
17	2/27/2023 13:47	0	0.2
18	2/27/2023 14:02	0	0.2
19	2/27/2023 14:17	0	0.2
20	2/27/2023 14:32	0	0.2
21	2/27/2023 14:47	0	0.2
22	2/27/2023 15:02	0	0.2
23	2/27/2023 15:17	0	0.2
24	2/27/2023 15:32	0	0.2
25	2/27/2023 15:47	0	0.2
26	2/27/2023 16:02	0	0.2

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23/02/28 09:20

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/28/2023 9:20
End	2/28/2023 14:22
Sample Period(s)	900

Number of Records	20

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48
Peak	0.7
Min	0
Average	0.1

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/28/2023 9:35	1.3	2.4	0.7
2	2/28/2023 9:50	0.4	0.7	0.2
3	2/28/2023 10:05	0.1	0.4	0.1
4	2/28/2023 10:20	0.1	0.4	0
5	2/28/2023 10:35	0	0.3	0
6	2/28/2023 10:50	0	0.1	0
7	2/28/2023 11:05	0	0	0
8	2/28/2023 11:20	0	0	0
9	2/28/2023 11:35	0	0	0
10	2/28/2023 11:50	0	0	0
11	2/28/2023 12:05	0	0.1	0
12	2/28/2023 12:20	0	0	0
13	2/28/2023 12:35	0	0.2	0.1
14	2/28/2023 12:50	0	0.1	0
15	2/28/2023 13:05	0	0.1	0
16	2/28/2023 13:20	0.1	0.2	0.1
17	2/28/2023 13:35	0.1	0.2	0.1
18	2/28/2023 13:50	0.1	0.1	0.1
19	2/28/2023 14:05	0.1	0.2	0.1
20	2/28/2023 14:20	0.1	0.2	0.1
Peak		1.3	2.4	0.7
Min		0	0	0
Average		0.1	0.3	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/28/2023 9:35	0	0.7
2	2/28/2023 9:50	0	0.9
3	2/28/2023 10:05	0	0.3
4	2/28/2023 10:20	0	0.1
5	2/28/2023 10:35	0	0
6	2/28/2023 10:50	0	0
7	2/28/2023 11:05	0	0
8	2/28/2023 11:20	0	0
9	2/28/2023 11:35	0	0
10	2/28/2023 11:50	0	0
11	2/28/2023 12:05	0	0
12	2/28/2023 12:20	0	0
13	2/28/2023 12:35	0	0.1
14	2/28/2023 12:50	0	0.1
15	2/28/2023 13:05	0	0
16	2/28/2023 13:20	0	0.1
17	2/28/2023 13:35	0	0.2
18	2/28/2023 13:50	0	0.2
19	2/28/2023 14:05	0	0.2
20	2/28/2023 14:20	0.1	0.2

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23/03/01 09:24

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/1/2023 9:24
End	3/1/2023 11:23
Sample Period(s)	900
Number of Records	7

Sensor	PID(ppm)
Sensor SN	S023030102Q7

Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/1/2023 9:39	0	0	0
2	3/1/2023 9:54	0	0	0
3	3/1/2023 10:09	0	0	0
4	3/1/2023 10:24	0	0	0
5	3/1/2023 10:39	0	0	0
6	3/1/2023 10:54	0	0	0
7	3/1/2023 11:09	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/1/2023 9:39	0	0
2	3/1/2023 9:54	0	0
3	3/1/2023 10:09	0	0
4	3/1/2023 10:24	0	0
5	3/1/2023 10:39	0	0
6	3/1/2023 10:54	0	0
7	3/1/2023 11:09	0	0

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23/03/02 09:20

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884

Unit Firmware Ver	V2.22
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/2/2023 9:20
End	3/2/2023 15:29
Sample Period(s)	900
Number of Records	24
Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48
Peak	0.1
Min	0
Average	0.1

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/2/2023 9:35	0	0	0
2	3/2/2023 9:50	0	0	0
3	3/2/2023 10:05	0	0	0
4	3/2/2023 10:20	0	0	0
5	3/2/2023 10:35	0	0	0
6	3/2/2023 10:50	0	0	0
7	3/2/2023 11:05	0	0	0
8	3/2/2023 11:20	0	0	0
9	3/2/2023 11:35	0	0.1	0.1
10	3/2/2023 11:50	0.1	0.1	0.1
11	3/2/2023 12:05	0.1	0.1	0.1
12	3/2/2023 12:20	0.1	0.1	0.1

	13	3/2/2023 12:35	0.1	0.1	0.1
	14	3/2/2023 12:50	0.1	0.1	0.1
	15	3/2/2023 13:05	0.1	0.1	0.1
	16	3/2/2023 13:20	0.1	0.1	0.1
	17	3/2/2023 13:35	0.1	0.1	0.1
	18	3/2/2023 13:50	0.1	0.1	0.1
	19	3/2/2023 14:05	0.1	0.1	0.1
	20	3/2/2023 14:20	0.1	0.1	0.1
	21	3/2/2023 14:35	0.1	0.1	0.1
	22	3/2/2023 14:50	0.1	0.1	0.1
	23	3/2/2023 15:05	0.1	0.1	0.1
	24	3/2/2023 15:20	0.1	0.1	0.1
Peak			0.1	0.1	0.1
Min			0	0	0
Average			0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/2/2023 9:35	0	0
2	3/2/2023 9:50	0	0
3	3/2/2023 10:05	0	0
4	3/2/2023 10:20	0	0
5	3/2/2023 10:35	0	0
6	3/2/2023 10:50	0	0
7	3/2/2023 11:05	0	0
8	3/2/2023 11:20	0	0
9	3/2/2023 11:35	0	0.1
10	3/2/2023 11:50	0	0.2
11	3/2/2023 12:05	0	0.2
12	3/2/2023 12:20	0	0.2
13	3/2/2023 12:35	0	0.2
14	3/2/2023 12:50	0	0.2
15	3/2/2023 13:05	0	0.2
16	3/2/2023 13:20	0	0.2
17	3/2/2023 13:35	0	0.2
18	3/2/2023 13:50	0	0.2
19	3/2/2023 14:05	0	0.2
20	3/2/2023 14:20	0	0.2
21	3/2/2023 14:35	0	0.2
22	3/2/2023 14:50	0	0.2
23	3/2/2023 15:05	0	0.2
24	3/2/2023 15:20	0.1	0.2

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23/03/07 08:55

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/7/2023 8:55
End	3/7/2023 10:48
Sample Period(s)	900
Number of Records	7
Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48
Peak	0.1
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/7/2023 9:10	0	0	0
2	3/7/2023 9:25	0	0	0
3	3/7/2023 9:40	0	0	0
4	3/7/2023 9:55	0	0	0
5	3/7/2023 10:10	0	0	0
6	3/7/2023 10:25	0	0	0
7	3/7/2023 10:40	0	0.1	0.1
Peak		0	0.1	0.1

Min	0	0	0
Average	0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/7/2023 9:10	0	0
2	3/7/2023 9:25	0	0
3	3/7/2023 9:40	0	0
4	3/7/2023 9:55	0	0
5	3/7/2023 10:10	0	0
6	3/7/2023 10:25	0	0
7	3/7/2023 10:40	0	0.1

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23/03/07 11:07

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/7/2023 11:07
End	3/7/2023 12:26
Sample Period(s)	900
Number of Records	5

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene

Calibration Time	2/22/2023 12:48
Peak	0.1
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/7/2023 11:22	0	0.1	0
2	3/7/2023 11:37	0	0.1	0
3	3/7/2023 11:52	0	0.1	0.1
4	3/7/2023 12:07	0.1	0.2	0.1
5	3/7/2023 12:22	0.1	0.2	0
Peak		0.1	0.2	0.1
Min		0	0.1	0
Average		0	0.1	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/7/2023 11:22	0	0
2	3/7/2023 11:37	0	0
3	3/7/2023 11:52	0	0.1
4	3/7/2023 12:07	0	0.2
5	3/7/2023 12:22	0	0.1

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23/03/07 13:16

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/7/2023 13:16
End	3/7/2023 15:58
Sample Period(s)	900

Number of Records	10

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48
Peak	0.1
Min	0
Average	0.1

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/7/2023 13:31	0.1	0.3	0
2	3/7/2023 13:46	0	0.2	0
3	3/7/2023 14:01	0	0.1	0
4	3/7/2023 14:16	0.1	0.3	0.1
5	3/7/2023 14:31	0.1	0.2	0.1
6	3/7/2023 14:46	0.1	0.2	0.1
7	3/7/2023 15:01	0.1	0.1	0.1
8	3/7/2023 15:16	0.1	0.1	0.1
9	3/7/2023 15:31	0.1	0.2	0.1
10	3/7/2023 15:46	0.1	0.3	0.1
Peak		0.1	0.3	0.1
Min		0	0.1	0
Average		0.1	0.2	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/7/2023 13:31	0	0
2	3/7/2023 13:46	0	0
3	3/7/2023 14:01	0	0
4	3/7/2023 14:16	0	0.1
5	3/7/2023 14:31	0	0.2
6	3/7/2023 14:46	0	0.2
7	3/7/2023 15:01	0	0.2

8	3/7/2023 15:16	0	0.2
9	3/7/2023 15:31	0	0.2
10	3/7/2023 15:46	0	0.2

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23/03/07 22:21

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/7/2023 22:21
End	3/7/2023 22:21
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48

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Datalog

0 record.

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23/03/08 09:03

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/8/2023 9:03
End	3/8/2023 10:43
Sample Period(s)	900
Number of Records	6

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/8/2023 9:18	0	0	0
2	3/8/2023 9:33	0	0	0
3	3/8/2023 9:48	0	0	0
4	3/8/2023 10:03	0	0	0
5	3/8/2023 10:18	0	0	0
6	3/8/2023 10:33	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/8/2023 9:18	0	0
2	3/8/2023 9:33	0	0
3	3/8/2023 9:48	0	0
4	3/8/2023 10:03	0	0
5	3/8/2023 10:18	0	0
6	3/8/2023 10:33	0	0

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23/03/08 11:18

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/8/2023 11:18
End	3/8/2023 12:46
Sample Period(s)	900
Number of Records	5

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48
Peak	0.1
Min	0

Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/8/2023 11:33	0	0	0
2	3/8/2023 11:48	0	0	0
3	3/8/2023 12:03	0	0.1	0.1
4	3/8/2023 12:18	0	0.1	0
5	3/8/2023 12:33	0	0.1	0
Peak		0	0.1	0.1
Min		0	0	0
Average		0	0.1	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/8/2023 11:33	0	0
2	3/8/2023 11:48	0	0
3	3/8/2023 12:03	0	0.1
4	3/8/2023 12:18	0	0.1
5	3/8/2023 12:33	0	0

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23/03/09 08:49

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/9/2023 8:49
End	3/9/2023 8:49
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)

Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48

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Datalog

0 record.

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23/03/10 11:43

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905884
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode

Site ID	12345678
User ID	12345678

Begin	3/10/2023 11:43
End	3/10/2023 11:44
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030102Q7
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000

STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:48

****

Datalog

0 record.

==========
23/02/22 11:35
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/22/2023 11:35
End	2/22/2023 11:35
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13

****
Datalog

0 record.

==========
23/02/23 09:06
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893

Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/23/2023 9:06
End	2/23/2023 9:07
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13

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Datalog

0 record.

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23/02/23 09:44

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/23/2023 9:44
End	2/23/2023 10:46
Sample Period(s)	900
Number of Records	4

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/23/2023 9:59	0	0.1	0
2	2/23/2023 10:14	0	0.2	0
3	2/23/2023 10:29	0	0.1	0
4	2/23/2023 10:44	0	0.2	0
Peak		0	0.2	0
Min		0	0.1	0
Average		0	0.2	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/23/2023 9:59	0	0
2	2/23/2023 10:14	0	0
3	2/23/2023 10:29	0	0
4	2/23/2023 10:44	0	0

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23/02/23 11:20

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/23/2023 11:20
End	2/23/2023 11:30
Sample Period(s)	900
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13

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Datalog

0 record.

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23/02/24 09:26

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22
Running Mode	Hygiene Mode

Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/24/2023 9:26
End	2/24/2023 10:34
Sample Period(s)	900
Number of Records	4

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13
Peak	0.1
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/24/2023 9:41	0	0	0
2	2/24/2023 9:56	0	0	0
3	2/24/2023 10:11	0	0.8	0
4	2/24/2023 10:26	0.1	0.1	0.1
Peak		0.1	0.8	0.1
Min		0	0	0
Average		0	0.2	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/24/2023 9:41	0	0
2	2/24/2023 9:56	0	0
3	2/24/2023 10:11	0	0

4	2/24/2023 10:26	0	0.1

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23/02/27 09:43

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/27/2023 9:43
End	2/27/2023 12:40
Sample Period(s)	900
Number of Records	11

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13
Peak	0.1
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/27/2023 9:58	0	0	0
2	2/27/2023 10:13	0	0	0
3	2/27/2023 10:28	0	0	0
4	2/27/2023 10:43	0	0.1	0

5	2/27/2023 10:58	0	0	0
6	2/27/2023 11:13	0	0	0
7	2/27/2023 11:28	0	0	0
8	2/27/2023 11:43	0	0.1	0
9	2/27/2023 11:58	0	0.5	0.1
10	2/27/2023 12:13	0.1	0.1	0.1
11	2/27/2023 12:28	0.1	0.1	0.1
Peak		0.1	0.5	0.1
Min		0	0	0
Average		0	0.1	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/27/2023 9:58	0	0
2	2/27/2023 10:13	0	0
3	2/27/2023 10:28	0	0
4	2/27/2023 10:43	0	0
5	2/27/2023 10:58	0	0
6	2/27/2023 11:13	0	0
7	2/27/2023 11:28	0	0
8	2/27/2023 11:43	0	0
9	2/27/2023 11:58	0	0.1
10	2/27/2023 12:13	0	0.2
11	2/27/2023 12:28	0	0.2

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23/02/27 14:03

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/27/2023 14:03
End	2/27/2023 14:09
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13

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Datalog

0 record.

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23/02/27 14:46

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/27/2023 14:46
End	2/27/2023 15:06
Sample Period(s)	900
Number of Records	1

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50

High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/27/2023 15:01	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/27/2023 15:01	0	0

==========

23/02/28 09:35

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/28/2023 9:35
End	2/28/2023 9:37
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)

Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13

****

Datalog

0 record.

==========

23/03/02 09:43

****

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	3/2/2023 9:43
End	3/2/2023 10:54
Sample Period(s)	900
Number of Records	4

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000

STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/2/2023 9:58	0	0	0
2	3/2/2023 10:13	0	0	0
3	3/2/2023 10:28	0	0	0
4	3/2/2023 10:43	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/2/2023 9:58	0	0
2	3/2/2023 10:13	0	0
3	3/2/2023 10:28	0	0
4	3/2/2023 10:43	0	0

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23/03/02 10:55

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	3/2/2023 10:55
End	3/2/2023 12:26

Sample Period(s)	900
Number of Records	6

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13
Peak	0.1
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/2/2023 11:10	0	0.2	0
2	3/2/2023 11:25	0	0.2	0
3	3/2/2023 11:40	0	0.1	0
4	3/2/2023 11:55	0	0.3	0
5	3/2/2023 12:10	0	0	0
6	3/2/2023 12:25	0.1	0.1	0.1
Peak		0.1	0.3	0.1
Min		0	0	0
Average		0	0.2	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/2/2023 11:10	0	0
2	3/2/2023 11:25	0	0
3	3/2/2023 11:40	0	0
4	3/2/2023 11:55	0	0
5	3/2/2023 12:10	0	0
6	3/2/2023 12:25	0	0.1

==========

23/03/02 15:29

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	3/2/2023 15:29
End	3/2/2023 15:40
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13

****

Datalog

0 record.

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23/03/07 09:26

****

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto

Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/7/2023 9:26
End	3/7/2023 11:57
Sample Period(s)	900
Number of Records	10

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13
Peak	0.1
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/7/2023 9:41	0	0	0
2	3/7/2023 9:56	0	0.1	0
3	3/7/2023 10:11	0	0	0
4	3/7/2023 10:26	0	0	0
5	3/7/2023 10:41	0	0.1	0.1
6	3/7/2023 10:56	0	0.1	0
7	3/7/2023 11:11	0	0.3	0
8	3/7/2023 11:26	0.1	0.3	0.1
9	3/7/2023 11:41	0.1	0.4	0.1
10	3/7/2023 11:56	0	0.3	0
Peak		0.1	0.4	0.1
Min		0	0	0
Average		0	0.2	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/7/2023 9:41	0	0
2	3/7/2023 9:56	0	0
3	3/7/2023 10:11	0	0
4	3/7/2023 10:26	0	0
5	3/7/2023 10:41	0	0.1
6	3/7/2023 10:56	0	0.1
7	3/7/2023 11:11	0	0
8	3/7/2023 11:26	0	0.1
9	3/7/2023 11:41	0	0.2
10	3/7/2023 11:56	0	0.1

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23/03/07 13:20

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/7/2023 13:20
End	3/7/2023 14:05
Sample Period(s)	900
Number of Records	2

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13
Peak	0

Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/7/2023 13:35	0	0.6	0
2	3/7/2023 13:50	0	0.4	0
Peak		0	0.6	0
Min		0	0.4	0
Average		0	0.5	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/7/2023 13:35	0	0
2	3/7/2023 13:50	0	0

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23/03/08 09:09

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/8/2023 9:09
End	3/8/2023 10:27
Sample Period(s)	900
Number of Records	5

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50

High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/8/2023 9:24	0.1	13.7	0
2	3/8/2023 9:39	0.1	15.3	0
3	3/8/2023 9:54	0.1	2	0
4	3/8/2023 10:09	0	0.2	0
5	3/8/2023 10:24	0	0.4	0
Peak		0.1	15.3	0
Min		0	0.2	0
Average		0.1	6.3	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/8/2023 9:24	0	0
2	3/8/2023 9:39	0	0
3	3/8/2023 9:54	0	0
4	3/8/2023 10:09	0	0
5	3/8/2023 10:24	0	0

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23/03/08 10:29

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678

User ID	12345678

Begin	3/8/2023 10:29
End	3/8/2023 10:40
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13

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Datalog

0 record.

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23/03/08 11:29

****

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/8/2023 11:29
End	3/8/2023 11:35
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13

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Datalog

0 record.

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23/03/09 08:55

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/9/2023 8:55
End	3/9/2023 8:55
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100

Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13

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Datalog

0 record.

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23/03/10 10:51

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905893
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode

Site ID	12345678
User ID	12345678

Begin	3/10/2023 10:51
End	3/10/2023 10:55
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030124WA
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 11:13

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Datalog

0 record.

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23/02/22 12:26

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/22/2023 12:26
End	2/22/2023 12:26
Sample Period(s)	60
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15

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Datalog

0 record.

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23/02/23 08:54

****

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125

Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/23/2023 8:54
End	2/23/2023 8:54
Sample Period(s)	60
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15

****

Datalog

0 record.

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23/02/23 09:24

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/23/2023 9:24
End	2/23/2023 14:17
Sample Period(s)	60
Number of Records	292

Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/23/2023 9:25	0	0	0
2	2/23/2023 9:26	0	0	0
3	2/23/2023 9:27	0	0	0
4	2/23/2023 9:28	0	0	0
5	2/23/2023 9:29	0	0	0
6	2/23/2023 9:30	0	0	0
7	2/23/2023 9:31	0	0	0
8	2/23/2023 9:32	0	0	0
9	2/23/2023 9:33	0	0	0
10	2/23/2023 9:34	0	0	0
11	2/23/2023 9:35	0	0	0
12	2/23/2023 9:36	0	0	0
13	2/23/2023 9:37	0	0	0
14	2/23/2023 9:38	0	0	0
15	2/23/2023 9:39	0	0	0
16	2/23/2023 9:40	0	0	0
17	2/23/2023 9:41	0	0	0
18	2/23/2023 9:42	0	0	0
19	2/23/2023 9:43	0	0	0

20	2/23/2023 9:44	0	0	0
21	2/23/2023 9:45	0	0	0
22	2/23/2023 9:46	0	0	0
23	2/23/2023 9:47	0	0	0
24	2/23/2023 9:48	0	0	0
25	2/23/2023 9:49	0	0	0
26	2/23/2023 9:50	0	0	0
27	2/23/2023 9:51	0	0	0
28	2/23/2023 9:52	0	0	0
29	2/23/2023 9:53	0	0	0
30	2/23/2023 9:54	0	0	0
31	2/23/2023 9:55	0	0	0
32	2/23/2023 9:56	0	0	0
33	2/23/2023 9:57	0	0	0
34	2/23/2023 9:58	0	0	0
35	2/23/2023 9:59	0	0	0
36	2/23/2023 10:00	0	0	0
37	2/23/2023 10:01	0	0	0
38	2/23/2023 10:02	0	0	0
39	2/23/2023 10:03	0	0	0
40	2/23/2023 10:04	0	0	0
41	2/23/2023 10:05	0	0	0
42	2/23/2023 10:06	0	0	0
43	2/23/2023 10:07	0	0	0
44	2/23/2023 10:08	0	0	0
45	2/23/2023 10:09	0	0	0
46	2/23/2023 10:10	0	0	0
47	2/23/2023 10:11	0	0	0
48	2/23/2023 10:12	0	0	0
49	2/23/2023 10:13	0	0	0
50	2/23/2023 10:14	0	0	0
51	2/23/2023 10:15	0	0	0
52	2/23/2023 10:16	0	0	0
53	2/23/2023 10:17	0	0	0
54	2/23/2023 10:18	0	0	0
55	2/23/2023 10:19	0	0	0
56	2/23/2023 10:20	0	0	0
57	2/23/2023 10:21	0	0	0
58	2/23/2023 10:22	0	0	0
59	2/23/2023 10:23	0	0	0
60	2/23/2023 10:24	0	0	0
61	2/23/2023 10:25	0	0	0
62	2/23/2023 10:26	0	0	0
63	2/23/2023 10:27	0	0	0
64	2/23/2023 10:28	0	0	0
65	2/23/2023 10:29	0	0	0
66	2/23/2023 10:30	0	0	0

67	2/23/2023 10:31	0	0	0
68	2/23/2023 10:32	0	0	0
69	2/23/2023 10:33	0	0	0
70	2/23/2023 10:34	0	0	0
71	2/23/2023 10:35	0	0	0
72	2/23/2023 10:36	0	0	0
73	2/23/2023 10:37	0	0	0
74	2/23/2023 10:38	0	0	0
75	2/23/2023 10:39	0	0	0
76	2/23/2023 10:40	0	0	0
77	2/23/2023 10:41	0	0	0
78	2/23/2023 10:42	0	0	0
79	2/23/2023 10:43	0	0	0
80	2/23/2023 10:44	0	0	0
81	2/23/2023 10:45	0	0	0
82	2/23/2023 10:46	0	0	0
83	2/23/2023 10:47	0	0	0
84	2/23/2023 10:48	0	0	0
85	2/23/2023 10:49	0	0	0
86	2/23/2023 10:50	0	0	0
87	2/23/2023 10:51	0	0	0
88	2/23/2023 10:52	0	0	0
89	2/23/2023 10:53	0	0	0
90	2/23/2023 10:54	0	0	0
91	2/23/2023 10:55	0	0	0
92	2/23/2023 10:56	0	0	0
93	2/23/2023 10:57	0	0	0
94	2/23/2023 10:58	0	0	0
95	2/23/2023 10:59	0	0	0
96	2/23/2023 11:00	0	0	0
97	2/23/2023 11:01	0	0	0
98	2/23/2023 11:02	0	0	0
99	2/23/2023 11:03	0	0	0
100	2/23/2023 11:04	0	0	0
101	2/23/2023 11:05	0	0	0
102	2/23/2023 11:06	0	0	0
103	2/23/2023 11:07	0	0	0
104	2/23/2023 11:08	0	0	0
105	2/23/2023 11:09	0	0	0
106	2/23/2023 11:10	0	0	0
107	2/23/2023 11:11	0	0	0
108	2/23/2023 11:12	0	0	0
109	2/23/2023 11:13	0	0	0
110	2/23/2023 11:14	0	0	0
111	2/23/2023 11:15	0	0	0
112	2/23/2023 11:16	0	0	0
113	2/23/2023 11:17	0	0	0

114	2/23/2023 11:18	0	0	0
115	2/23/2023 11:19	0	0	0
116	2/23/2023 11:20	0	0	0
117	2/23/2023 11:21	0	0	0
118	2/23/2023 11:22	0	0	0
119	2/23/2023 11:23	0	0	0
120	2/23/2023 11:24	0	0	0
121	2/23/2023 11:25	0	0	0
122	2/23/2023 11:26	0	0	0
123	2/23/2023 11:27	0	0	0
124	2/23/2023 11:28	0	0	0
125	2/23/2023 11:29	0	0	0
126	2/23/2023 11:30	0	0	0
127	2/23/2023 11:31	0	0	0
128	2/23/2023 11:32	0	0	0
129	2/23/2023 11:33	0	0	0
130	2/23/2023 11:34	0	0	0
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132	2/23/2023 11:36	0	0	0
133	2/23/2023 11:37	0	0	0
134	2/23/2023 11:38	0	0	0
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141	2/23/2023 11:45	0	0	0
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162	2/23/2023 12:06	0	0	0
163	2/23/2023 12:07	0	0	0
164	2/23/2023 12:08	0	0	0
165	2/23/2023 12:09	0	0	0
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167	2/23/2023 12:11	0	0	0
168	2/23/2023 12:12	0	0	0
169	2/23/2023 12:13	0	0	0
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172	2/23/2023 12:16	0	0	0
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192	2/23/2023 12:36	0	0	0
193	2/23/2023 12:37	0	0	0
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202	2/23/2023 12:46	0	0	0
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212	2/23/2023 12:56	0	0	0
213	2/23/2023 12:57	0	0	0
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217	2/23/2023 13:01	0	0	0
218	2/23/2023 13:02	0	0	0
219	2/23/2023 13:03	0	0	0
220	2/23/2023 13:04	0	0	0
221	2/23/2023 13:05	0	0	0
222	2/23/2023 13:06	0	0	0
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	258	2/23/2023 13:42	0	0	0
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	276	2/23/2023 14:00	0	0	0
	277	2/23/2023 14:01	0	0	0
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	279	2/23/2023 14:03	0	0	0
	280	2/23/2023 14:04	0	0	0
	281	2/23/2023 14:05	0	0	0
	282	2/23/2023 14:06	0	0	0
	283	2/23/2023 14:07	0	0	0
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	287	2/23/2023 14:11	0	0	0
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	289	2/23/2023 14:13	0	0	0
	290	2/23/2023 14:14	0	0	0
	291	2/23/2023 14:15	0	0	0
	292	2/23/2023 14:16	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/23/2023 9:25	0	---

2	2/23/2023 9:26	0	---
3	2/23/2023 9:27	0	---
4	2/23/2023 9:28	0	---
5	2/23/2023 9:29	0	---
6	2/23/2023 9:30	0	---
7	2/23/2023 9:31	0	---
8	2/23/2023 9:32	0	---
9	2/23/2023 9:33	0	---
10	2/23/2023 9:34	0	---
11	2/23/2023 9:35	0	---
12	2/23/2023 9:36	0	---
13	2/23/2023 9:37	0	---
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18	2/23/2023 9:42	0	0
19	2/23/2023 9:43	0	0
20	2/23/2023 9:44	0	0
21	2/23/2023 9:45	0	0
22	2/23/2023 9:46	0	0
23	2/23/2023 9:47	0	0
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279	2/23/2023 14:03	0	0
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281	2/23/2023 14:05	0	0
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286	2/23/2023 14:10	0	0
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292	2/23/2023 14:16	0	0

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23/02/24 09:01

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/24/2023 9:01
End	2/24/2023 13:44
Sample Period(s)	60
Number of Records	283

Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/24/2023 9:02	0	0	0
2	2/24/2023 9:03	0	0	0
3	2/24/2023 9:04	0	0	0
4	2/24/2023 9:05	0	0	0
5	2/24/2023 9:06	0	0	0
6	2/24/2023 9:07	0	0	0
7	2/24/2023 9:08	0	0	0
8	2/24/2023 9:09	0	0	0
9	2/24/2023 9:10	0	0	0
10	2/24/2023 9:11	0	0	0
11	2/24/2023 9:12	0	0	0
12	2/24/2023 9:13	0	0	0
13	2/24/2023 9:14	0	0	0
14	2/24/2023 9:15	0	0	0
15	2/24/2023 9:16	0	0	0
16	2/24/2023 9:17	0	0	0
17	2/24/2023 9:18	0	0	0
18	2/24/2023 9:19	0	0	0
19	2/24/2023 9:20	0	0	0
20	2/24/2023 9:21	0	0	0
21	2/24/2023 9:22	0	0	0
22	2/24/2023 9:23	0	0	0
23	2/24/2023 9:24	0	0	0
24	2/24/2023 9:25	0	0	0
25	2/24/2023 9:26	0	0	0
26	2/24/2023 9:27	0	0	0
27	2/24/2023 9:28	0	0	0
28	2/24/2023 9:29	0	0	0
29	2/24/2023 9:30	0	0	0
30	2/24/2023 9:31	0	0	0
31	2/24/2023 9:32	0	0	0
32	2/24/2023 9:33	0	0	0
33	2/24/2023 9:34	0	0	0
34	2/24/2023 9:35	0	0	0
35	2/24/2023 9:36	0	0	0
36	2/24/2023 9:37	0	0	0
37	2/24/2023 9:38	0	0	0
38	2/24/2023 9:39	0	0	0
39	2/24/2023 9:40	0	0	0
40	2/24/2023 9:41	0	0	0
41	2/24/2023 9:42	0	0	0
42	2/24/2023 9:43	0	0	0
43	2/24/2023 9:44	0	0	0

44	2/24/2023 9:45	0	0	0
45	2/24/2023 9:46	0	0	0
46	2/24/2023 9:47	0	0	0
47	2/24/2023 9:48	0	0	0
48	2/24/2023 9:49	0	0	0
49	2/24/2023 9:50	0	0	0
50	2/24/2023 9:51	0	0	0
51	2/24/2023 9:52	0	0	0
52	2/24/2023 9:53	0	0	0
53	2/24/2023 9:54	0	0	0
54	2/24/2023 9:55	0	0	0
55	2/24/2023 9:56	0	0	0
56	2/24/2023 9:57	0	0	0
57	2/24/2023 9:58	0	0	0
58	2/24/2023 9:59	0	0	0
59	2/24/2023 10:00	0	0	0
60	2/24/2023 10:01	0	0	0
61	2/24/2023 10:02	0	0	0
62	2/24/2023 10:03	0	0	0
63	2/24/2023 10:04	0	0	0
64	2/24/2023 10:05	0	0	0
65	2/24/2023 10:06	0	0	0
66	2/24/2023 10:07	0	0	0
67	2/24/2023 10:08	0	0	0
68	2/24/2023 10:09	0	0	0
69	2/24/2023 10:10	0	0	0
70	2/24/2023 10:11	0	0	0
71	2/24/2023 10:12	0	0	0
72	2/24/2023 10:13	0	0	0
73	2/24/2023 10:14	0	0	0
74	2/24/2023 10:15	0	0	0
75	2/24/2023 10:16	0	0	0
76	2/24/2023 10:17	0	0	0
77	2/24/2023 10:18	0	0	0
78	2/24/2023 10:19	0	0	0
79	2/24/2023 10:20	0	0	0
80	2/24/2023 10:21	0	0	0
81	2/24/2023 10:22	0	0	0
82	2/24/2023 10:23	0	0	0
83	2/24/2023 10:24	0	0	0
84	2/24/2023 10:25	0	0	0
85	2/24/2023 10:26	0	0	0
86	2/24/2023 10:27	0	0	0
87	2/24/2023 10:28	0	0	0
88	2/24/2023 10:29	0	0	0
89	2/24/2023 10:30	0	0	0
90	2/24/2023 10:31	0	0	0

91	2/24/2023 10:32	0	0	0
92	2/24/2023 10:33	0	0	0
93	2/24/2023 10:34	0	0	0
94	2/24/2023 10:35	0	0	0
95	2/24/2023 10:36	0	0	0
96	2/24/2023 10:37	0	0	0
97	2/24/2023 10:38	0	0	0
98	2/24/2023 10:39	0	0	0
99	2/24/2023 10:40	0	0	0
100	2/24/2023 10:41	0	0	0
101	2/24/2023 10:42	0	0	0
102	2/24/2023 10:43	0	0	0
103	2/24/2023 10:44	0	0	0
104	2/24/2023 10:45	0	0	0
105	2/24/2023 10:46	0	0	0
106	2/24/2023 10:47	0	0	0
107	2/24/2023 10:48	0	0	0
108	2/24/2023 10:49	0	0	0
109	2/24/2023 10:50	0	0	0
110	2/24/2023 10:51	0	0	0
111	2/24/2023 10:52	0	0	0
112	2/24/2023 10:53	0	0	0
113	2/24/2023 10:54	0	0	0
114	2/24/2023 10:55	0	0	0
115	2/24/2023 10:56	0	0	0
116	2/24/2023 10:57	0	0	0
117	2/24/2023 10:58	0	0	0
118	2/24/2023 10:59	0	0	0
119	2/24/2023 11:00	0	0	0
120	2/24/2023 11:01	0	0	0
121	2/24/2023 11:02	0	0	0
122	2/24/2023 11:03	0	0	0
123	2/24/2023 11:04	0	0	0
124	2/24/2023 11:05	0	0	0
125	2/24/2023 11:06	0	0	0
126	2/24/2023 11:07	0	0	0
127	2/24/2023 11:08	0	0	0
128	2/24/2023 11:09	0	0	0
129	2/24/2023 11:10	0	0	0
130	2/24/2023 11:11	0	0	0
131	2/24/2023 11:12	0	0	0
132	2/24/2023 11:13	0	0	0
133	2/24/2023 11:14	0	0	0
134	2/24/2023 11:15	0	0	0
135	2/24/2023 11:16	0	0	0
136	2/24/2023 11:17	0	0	0
137	2/24/2023 11:18	0	0	0

138	2/24/2023 11:19	0	0	0
139	2/24/2023 11:20	0	0	0
140	2/24/2023 11:21	0	0	0
141	2/24/2023 11:22	0	0	0
142	2/24/2023 11:23	0	0	0
143	2/24/2023 11:24	0	0	0
144	2/24/2023 11:25	0	0	0
145	2/24/2023 11:26	0	0	0
146	2/24/2023 11:27	0	0	0
147	2/24/2023 11:28	0	0	0
148	2/24/2023 11:29	0	0	0
149	2/24/2023 11:30	0	0	0
150	2/24/2023 11:31	0	0	0
151	2/24/2023 11:32	0	0	0
152	2/24/2023 11:33	0	0	0
153	2/24/2023 11:34	0	0	0
154	2/24/2023 11:35	0	0	0
155	2/24/2023 11:36	0	0	0
156	2/24/2023 11:37	0	0	0
157	2/24/2023 11:38	0	0	0
158	2/24/2023 11:39	0	0	0
159	2/24/2023 11:40	0	0	0
160	2/24/2023 11:41	0	0	0
161	2/24/2023 11:42	0	0	0
162	2/24/2023 11:43	0	0	0
163	2/24/2023 11:44	0	0	0
164	2/24/2023 11:45	0	0	0
165	2/24/2023 11:46	0	0	0
166	2/24/2023 11:47	0	0	0
167	2/24/2023 11:48	0	0	0
168	2/24/2023 11:49	0	0	0
169	2/24/2023 11:50	0	0	0
170	2/24/2023 11:51	0	0	0
171	2/24/2023 11:52	0	0.1	0
172	2/24/2023 11:53	0	0	0
173	2/24/2023 11:54	0	0	0
174	2/24/2023 11:55	0	0	0
175	2/24/2023 11:56	0	0	0
176	2/24/2023 11:57	0	0	0
177	2/24/2023 11:58	0	0	0
178	2/24/2023 11:59	0	0	0
179	2/24/2023 12:00	0	0	0
180	2/24/2023 12:01	0	0	0
181	2/24/2023 12:02	0	0	0
182	2/24/2023 12:03	0	0	0
183	2/24/2023 12:04	0	0	0
184	2/24/2023 12:05	0	0	0

185	2/24/2023 12:06	0	0	0
186	2/24/2023 12:07	0	0	0
187	2/24/2023 12:08	0	0	0
188	2/24/2023 12:09	0	0	0
189	2/24/2023 12:10	0	0	0
190	2/24/2023 12:11	0	0	0
191	2/24/2023 12:12	0	0	0
192	2/24/2023 12:13	0	0	0
193	2/24/2023 12:14	0	0	0
194	2/24/2023 12:15	0	0	0
195	2/24/2023 12:16	0	0	0
196	2/24/2023 12:17	0	0	0
197	2/24/2023 12:18	0	0	0
198	2/24/2023 12:19	0	0	0
199	2/24/2023 12:20	0	0	0
200	2/24/2023 12:21	0	0	0
201	2/24/2023 12:22	0	0	0
202	2/24/2023 12:23	0	0	0
203	2/24/2023 12:24	0	0	0
204	2/24/2023 12:25	0	0	0
205	2/24/2023 12:26	0	0	0
206	2/24/2023 12:27	0	0	0
207	2/24/2023 12:28	0	0	0
208	2/24/2023 12:29	0	0	0
209	2/24/2023 12:30	0	0	0
210	2/24/2023 12:31	0	0	0
211	2/24/2023 12:32	0	0	0
212	2/24/2023 12:33	0	0	0
213	2/24/2023 12:34	0	0	0
214	2/24/2023 12:35	0	0	0
215	2/24/2023 12:36	0	0	0
216	2/24/2023 12:37	0	0	0
217	2/24/2023 12:38	0	0	0
218	2/24/2023 12:39	0	0	0
219	2/24/2023 12:40	0	0	0
220	2/24/2023 12:41	0	0	0
221	2/24/2023 12:42	0	0	0
222	2/24/2023 12:43	0	0	0
223	2/24/2023 12:44	0	0	0
224	2/24/2023 12:45	0	0	0
225	2/24/2023 12:46	0	0	0
226	2/24/2023 12:47	0	0	0
227	2/24/2023 12:48	0	0	0
228	2/24/2023 12:49	0	0	0
229	2/24/2023 12:50	0	0	0
230	2/24/2023 12:51	0	0	0
231	2/24/2023 12:52	0	0	0

232	2/24/2023 12:53	0	0	0
233	2/24/2023 12:54	0	0	0
234	2/24/2023 12:55	0	0	0
235	2/24/2023 12:56	0	0	0
236	2/24/2023 12:57	0	0	0
237	2/24/2023 12:58	0	0	0
238	2/24/2023 12:59	0	0	0
239	2/24/2023 13:00	0	0	0
240	2/24/2023 13:01	0	0	0
241	2/24/2023 13:02	0	0	0
242	2/24/2023 13:03	0	0	0
243	2/24/2023 13:04	0	0	0
244	2/24/2023 13:05	0	0	0
245	2/24/2023 13:06	0	0	0
246	2/24/2023 13:07	0	0	0
247	2/24/2023 13:08	0	0	0
248	2/24/2023 13:09	0	0	0
249	2/24/2023 13:10	0	0	0
250	2/24/2023 13:11	0	0	0
251	2/24/2023 13:12	0	0	0
252	2/24/2023 13:13	0	0	0
253	2/24/2023 13:14	0	0	0
254	2/24/2023 13:15	0	0	0
255	2/24/2023 13:16	0	0	0
256	2/24/2023 13:17	0	0	0
257	2/24/2023 13:18	0	0	0
258	2/24/2023 13:19	0	0	0
259	2/24/2023 13:20	0	0	0
260	2/24/2023 13:21	0	0	0
261	2/24/2023 13:22	0	0	0
262	2/24/2023 13:23	0	0	0
263	2/24/2023 13:24	0	0	0
264	2/24/2023 13:25	0	0	0
265	2/24/2023 13:26	0	0	0
266	2/24/2023 13:27	0	0	0
267	2/24/2023 13:28	0	0	0
268	2/24/2023 13:29	0	0	0
269	2/24/2023 13:30	0	0	0
270	2/24/2023 13:31	0	0	0
271	2/24/2023 13:32	0	0	0
272	2/24/2023 13:33	0	0	0
273	2/24/2023 13:34	0	0	0
274	2/24/2023 13:35	0	0	0
275	2/24/2023 13:36	0	0	0
276	2/24/2023 13:37	0	0	0
277	2/24/2023 13:38	0	0	0
278	2/24/2023 13:39	0	0	0

	279	2/24/2023 13:40	0	0	0
	280	2/24/2023 13:41	0	0	0
	281	2/24/2023 13:42	0	0	0
	282	2/24/2023 13:43	0	0	0
	283	2/24/2023 13:44	0	0	0
Peak			0	0.1	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/24/2023 9:02	0	---
2	2/24/2023 9:03	0	---
3	2/24/2023 9:04	0	---
4	2/24/2023 9:05	0	---
5	2/24/2023 9:06	0	---
6	2/24/2023 9:07	0	---
7	2/24/2023 9:08	0	---
8	2/24/2023 9:09	0	---
9	2/24/2023 9:10	0	---
10	2/24/2023 9:11	0	---
11	2/24/2023 9:12	0	---
12	2/24/2023 9:13	0	---
13	2/24/2023 9:14	0	---
14	2/24/2023 9:15	0	---
15	2/24/2023 9:16	0	0
16	2/24/2023 9:17	0	0
17	2/24/2023 9:18	0	0
18	2/24/2023 9:19	0	0
19	2/24/2023 9:20	0	0
20	2/24/2023 9:21	0	0
21	2/24/2023 9:22	0	0
22	2/24/2023 9:23	0	0
23	2/24/2023 9:24	0	0
24	2/24/2023 9:25	0	0
25	2/24/2023 9:26	0	0
26	2/24/2023 9:27	0	0
27	2/24/2023 9:28	0	0
28	2/24/2023 9:29	0	0
29	2/24/2023 9:30	0	0
30	2/24/2023 9:31	0	0
31	2/24/2023 9:32	0	0
32	2/24/2023 9:33	0	0
33	2/24/2023 9:34	0	0
34	2/24/2023 9:35	0	0

35	2/24/2023 9:36	0	0
36	2/24/2023 9:37	0	0
37	2/24/2023 9:38	0	0
38	2/24/2023 9:39	0	0
39	2/24/2023 9:40	0	0
40	2/24/2023 9:41	0	0
41	2/24/2023 9:42	0	0
42	2/24/2023 9:43	0	0
43	2/24/2023 9:44	0	0
44	2/24/2023 9:45	0	0
45	2/24/2023 9:46	0	0
46	2/24/2023 9:47	0	0
47	2/24/2023 9:48	0	0
48	2/24/2023 9:49	0	0
49	2/24/2023 9:50	0	0
50	2/24/2023 9:51	0	0
51	2/24/2023 9:52	0	0
52	2/24/2023 9:53	0	0
53	2/24/2023 9:54	0	0
54	2/24/2023 9:55	0	0
55	2/24/2023 9:56	0	0
56	2/24/2023 9:57	0	0
57	2/24/2023 9:58	0	0
58	2/24/2023 9:59	0	0
59	2/24/2023 10:00	0	0
60	2/24/2023 10:01	0	0
61	2/24/2023 10:02	0	0
62	2/24/2023 10:03	0	0
63	2/24/2023 10:04	0	0
64	2/24/2023 10:05	0	0
65	2/24/2023 10:06	0	0
66	2/24/2023 10:07	0	0
67	2/24/2023 10:08	0	0
68	2/24/2023 10:09	0	0
69	2/24/2023 10:10	0	0
70	2/24/2023 10:11	0	0
71	2/24/2023 10:12	0	0
72	2/24/2023 10:13	0	0
73	2/24/2023 10:14	0	0
74	2/24/2023 10:15	0	0
75	2/24/2023 10:16	0	0
76	2/24/2023 10:17	0	0
77	2/24/2023 10:18	0	0
78	2/24/2023 10:19	0	0
79	2/24/2023 10:20	0	0
80	2/24/2023 10:21	0	0
81	2/24/2023 10:22	0	0

82	2/24/2023 10:23	0	0
83	2/24/2023 10:24	0	0
84	2/24/2023 10:25	0	0
85	2/24/2023 10:26	0	0
86	2/24/2023 10:27	0	0
87	2/24/2023 10:28	0	0
88	2/24/2023 10:29	0	0
89	2/24/2023 10:30	0	0
90	2/24/2023 10:31	0	0
91	2/24/2023 10:32	0	0
92	2/24/2023 10:33	0	0
93	2/24/2023 10:34	0	0
94	2/24/2023 10:35	0	0
95	2/24/2023 10:36	0	0
96	2/24/2023 10:37	0	0
97	2/24/2023 10:38	0	0
98	2/24/2023 10:39	0	0
99	2/24/2023 10:40	0	0
100	2/24/2023 10:41	0	0
101	2/24/2023 10:42	0	0
102	2/24/2023 10:43	0	0
103	2/24/2023 10:44	0	0
104	2/24/2023 10:45	0	0
105	2/24/2023 10:46	0	0
106	2/24/2023 10:47	0	0
107	2/24/2023 10:48	0	0
108	2/24/2023 10:49	0	0
109	2/24/2023 10:50	0	0
110	2/24/2023 10:51	0	0
111	2/24/2023 10:52	0	0
112	2/24/2023 10:53	0	0
113	2/24/2023 10:54	0	0
114	2/24/2023 10:55	0	0
115	2/24/2023 10:56	0	0
116	2/24/2023 10:57	0	0
117	2/24/2023 10:58	0	0
118	2/24/2023 10:59	0	0
119	2/24/2023 11:00	0	0
120	2/24/2023 11:01	0	0
121	2/24/2023 11:02	0	0
122	2/24/2023 11:03	0	0
123	2/24/2023 11:04	0	0
124	2/24/2023 11:05	0	0
125	2/24/2023 11:06	0	0
126	2/24/2023 11:07	0	0
127	2/24/2023 11:08	0	0
128	2/24/2023 11:09	0	0

129	2/24/2023 11:10	0	0
130	2/24/2023 11:11	0	0
131	2/24/2023 11:12	0	0
132	2/24/2023 11:13	0	0
133	2/24/2023 11:14	0	0
134	2/24/2023 11:15	0	0
135	2/24/2023 11:16	0	0
136	2/24/2023 11:17	0	0
137	2/24/2023 11:18	0	0
138	2/24/2023 11:19	0	0
139	2/24/2023 11:20	0	0
140	2/24/2023 11:21	0	0
141	2/24/2023 11:22	0	0
142	2/24/2023 11:23	0	0
143	2/24/2023 11:24	0	0
144	2/24/2023 11:25	0	0
145	2/24/2023 11:26	0	0
146	2/24/2023 11:27	0	0
147	2/24/2023 11:28	0	0
148	2/24/2023 11:29	0	0
149	2/24/2023 11:30	0	0
150	2/24/2023 11:31	0	0
151	2/24/2023 11:32	0	0
152	2/24/2023 11:33	0	0
153	2/24/2023 11:34	0	0
154	2/24/2023 11:35	0	0
155	2/24/2023 11:36	0	0
156	2/24/2023 11:37	0	0
157	2/24/2023 11:38	0	0
158	2/24/2023 11:39	0	0
159	2/24/2023 11:40	0	0
160	2/24/2023 11:41	0	0
161	2/24/2023 11:42	0	0
162	2/24/2023 11:43	0	0
163	2/24/2023 11:44	0	0
164	2/24/2023 11:45	0	0
165	2/24/2023 11:46	0	0
166	2/24/2023 11:47	0	0
167	2/24/2023 11:48	0	0
168	2/24/2023 11:49	0	0
169	2/24/2023 11:50	0	0
170	2/24/2023 11:51	0	0
171	2/24/2023 11:52	0	0
172	2/24/2023 11:53	0	0
173	2/24/2023 11:54	0	0
174	2/24/2023 11:55	0	0
175	2/24/2023 11:56	0	0

176	2/24/2023 11:57	0	0
177	2/24/2023 11:58	0	0
178	2/24/2023 11:59	0	0
179	2/24/2023 12:00	0	0
180	2/24/2023 12:01	0	0
181	2/24/2023 12:02	0	0
182	2/24/2023 12:03	0	0
183	2/24/2023 12:04	0	0
184	2/24/2023 12:05	0	0
185	2/24/2023 12:06	0	0
186	2/24/2023 12:07	0	0
187	2/24/2023 12:08	0	0
188	2/24/2023 12:09	0	0
189	2/24/2023 12:10	0	0
190	2/24/2023 12:11	0	0
191	2/24/2023 12:12	0	0
192	2/24/2023 12:13	0	0
193	2/24/2023 12:14	0	0
194	2/24/2023 12:15	0	0
195	2/24/2023 12:16	0	0
196	2/24/2023 12:17	0	0
197	2/24/2023 12:18	0	0
198	2/24/2023 12:19	0	0
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202	2/24/2023 12:23	0	0
203	2/24/2023 12:24	0	0
204	2/24/2023 12:25	0	0
205	2/24/2023 12:26	0	0
206	2/24/2023 12:27	0	0
207	2/24/2023 12:28	0	0
208	2/24/2023 12:29	0	0
209	2/24/2023 12:30	0	0
210	2/24/2023 12:31	0	0
211	2/24/2023 12:32	0	0
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214	2/24/2023 12:35	0	0
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216	2/24/2023 12:37	0	0
217	2/24/2023 12:38	0	0
218	2/24/2023 12:39	0	0
219	2/24/2023 12:40	0	0
220	2/24/2023 12:41	0	0
221	2/24/2023 12:42	0	0
222	2/24/2023 12:43	0	0

223	2/24/2023 12:44	0	0
224	2/24/2023 12:45	0	0
225	2/24/2023 12:46	0	0
226	2/24/2023 12:47	0	0
227	2/24/2023 12:48	0	0
228	2/24/2023 12:49	0	0
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236	2/24/2023 12:57	0	0
237	2/24/2023 12:58	0	0
238	2/24/2023 12:59	0	0
239	2/24/2023 13:00	0	0
240	2/24/2023 13:01	0	0
241	2/24/2023 13:02	0	0
242	2/24/2023 13:03	0	0
243	2/24/2023 13:04	0	0
244	2/24/2023 13:05	0	0
245	2/24/2023 13:06	0	0
246	2/24/2023 13:07	0	0
247	2/24/2023 13:08	0	0
248	2/24/2023 13:09	0	0
249	2/24/2023 13:10	0	0
250	2/24/2023 13:11	0	0
251	2/24/2023 13:12	0	0
252	2/24/2023 13:13	0	0
253	2/24/2023 13:14	0	0
254	2/24/2023 13:15	0	0
255	2/24/2023 13:16	0	0
256	2/24/2023 13:17	0	0
257	2/24/2023 13:18	0	0
258	2/24/2023 13:19	0	0
259	2/24/2023 13:20	0	0
260	2/24/2023 13:21	0	0
261	2/24/2023 13:22	0	0
262	2/24/2023 13:23	0	0
263	2/24/2023 13:24	0	0
264	2/24/2023 13:25	0	0
265	2/24/2023 13:26	0	0
266	2/24/2023 13:27	0	0
267	2/24/2023 13:28	0	0
268	2/24/2023 13:29	0	0
269	2/24/2023 13:30	0	0

270	2/24/2023 13:31	0	0
271	2/24/2023 13:32	0	0
272	2/24/2023 13:33	0	0
273	2/24/2023 13:34	0	0
274	2/24/2023 13:35	0	0
275	2/24/2023 13:36	0	0
276	2/24/2023 13:37	0	0
277	2/24/2023 13:38	0	0
278	2/24/2023 13:39	0	0
279	2/24/2023 13:40	0	0
280	2/24/2023 13:41	0	0
281	2/24/2023 13:42	0	0
282	2/24/2023 13:43	0	0
283	2/24/2023 13:44	0	0

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23/02/27 09:29

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/27/2023 9:29
End	2/27/2023 16:19
Sample Period(s)	60
Number of Records	410

Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene

Calibration Time	2/22/2023 12:15
Peak	0.1
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/27/2023 9:30	0	0	0
2	2/27/2023 9:31	0	0	0
3	2/27/2023 9:32	0	0	0
4	2/27/2023 9:33	0	0	0
5	2/27/2023 9:34	0	0	0
6	2/27/2023 9:35	0	0	0
7	2/27/2023 9:36	0	0	0
8	2/27/2023 9:37	0	0	0
9	2/27/2023 9:38	0	0	0
10	2/27/2023 9:39	0	0	0
11	2/27/2023 9:40	0	0	0
12	2/27/2023 9:41	0	0	0
13	2/27/2023 9:42	0	0	0
14	2/27/2023 9:43	0	0	0
15	2/27/2023 9:44	0	0	0
16	2/27/2023 9:45	0	0	0
17	2/27/2023 9:46	0	0	0
18	2/27/2023 9:47	0	0	0
19	2/27/2023 9:48	0	0	0
20	2/27/2023 9:49	0	0	0
21	2/27/2023 9:50	0	0	0
22	2/27/2023 9:51	0	0	0
23	2/27/2023 9:52	0	0	0
24	2/27/2023 9:53	0	0	0
25	2/27/2023 9:54	0	0	0
26	2/27/2023 9:55	0	0	0
27	2/27/2023 9:56	0	0	0
28	2/27/2023 9:57	0	0	0
29	2/27/2023 9:58	0	0	0
30	2/27/2023 9:59	0	0	0
31	2/27/2023 10:00	0	0	0
32	2/27/2023 10:01	0	0	0
33	2/27/2023 10:02	0	0	0
34	2/27/2023 10:03	0	0	0
35	2/27/2023 10:04	0	0	0
36	2/27/2023 10:05	0	0	0
37	2/27/2023 10:06	0	0	0
38	2/27/2023 10:07	0	0	0

39	2/27/2023 10:08	0	0	0
40	2/27/2023 10:09	0	0	0
41	2/27/2023 10:10	0	0	0
42	2/27/2023 10:11	0	0	0
43	2/27/2023 10:12	0	0	0
44	2/27/2023 10:13	0	0	0
45	2/27/2023 10:14	0	0	0
46	2/27/2023 10:15	0	0	0
47	2/27/2023 10:16	0	0	0
48	2/27/2023 10:17	0	0	0
49	2/27/2023 10:18	0	0	0
50	2/27/2023 10:19	0	0	0
51	2/27/2023 10:20	0	0	0
52	2/27/2023 10:21	0	0	0
53	2/27/2023 10:22	0	0	0
54	2/27/2023 10:23	0	0	0
55	2/27/2023 10:24	0	0	0
56	2/27/2023 10:25	0	0	0
57	2/27/2023 10:26	0	0	0
58	2/27/2023 10:27	0	0	0
59	2/27/2023 10:28	0	0	0
60	2/27/2023 10:29	0	0	0
61	2/27/2023 10:30	0	0	0
62	2/27/2023 10:31	0	0	0
63	2/27/2023 10:32	0	0	0
64	2/27/2023 10:33	0	0	0
65	2/27/2023 10:34	0	0	0
66	2/27/2023 10:35	0	0	0
67	2/27/2023 10:36	0	0	0
68	2/27/2023 10:37	0	0	0
69	2/27/2023 10:38	0	0	0
70	2/27/2023 10:39	0	0	0
71	2/27/2023 10:40	0	0	0
72	2/27/2023 10:41	0	0	0
73	2/27/2023 10:42	0	0	0
74	2/27/2023 10:43	0	0	0
75	2/27/2023 10:44	0	0	0
76	2/27/2023 10:45	0	0	0
77	2/27/2023 10:46	0	0	0
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79	2/27/2023 10:48	0	0	0
80	2/27/2023 10:49	0	0	0
81	2/27/2023 10:50	0	0	0
82	2/27/2023 10:51	0	0	0
83	2/27/2023 10:52	0	0	0
84	2/27/2023 10:53	0	0	0
85	2/27/2023 10:54	0	0	0

86	2/27/2023 10:55	0	0	0
87	2/27/2023 10:56	0	0	0
88	2/27/2023 10:57	0	0	0
89	2/27/2023 10:58	0	0	0
90	2/27/2023 10:59	0	0	0
91	2/27/2023 11:00	0	0	0
92	2/27/2023 11:01	0	0	0
93	2/27/2023 11:02	0	0	0
94	2/27/2023 11:03	0	0	0
95	2/27/2023 11:04	0	0	0
96	2/27/2023 11:05	0	0	0
97	2/27/2023 11:06	0	0	0
98	2/27/2023 11:07	0	0	0
99	2/27/2023 11:08	0	0	0
100	2/27/2023 11:09	0	0	0
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102	2/27/2023 11:11	0	0	0
103	2/27/2023 11:12	0	0	0
104	2/27/2023 11:13	0	0	0
105	2/27/2023 11:14	0	0	0
106	2/27/2023 11:15	0	0	0
107	2/27/2023 11:16	0	0	0
108	2/27/2023 11:17	0	0	0
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123	2/27/2023 11:32	0	0	0
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131	2/27/2023 11:40	0	0	0
132	2/27/2023 11:41	0	0	0

133	2/27/2023 11:42	0	0	0
134	2/27/2023 11:43	0	0	0
135	2/27/2023 11:44	0	0	0
136	2/27/2023 11:45	0	0	0
137	2/27/2023 11:46	0	0	0
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144	2/27/2023 11:53	0	0	0
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177	2/27/2023 12:26	0	0	0
178	2/27/2023 12:27	0	0	0
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184	2/27/2023 12:33	0	0	0
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211	2/27/2023 13:00	0	0	0
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228	2/27/2023 13:17	0	0	0
229	2/27/2023 13:18	0	0	0
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240	2/27/2023 13:29	0	0	0
241	2/27/2023 13:30	0	0	0
242	2/27/2023 13:31	0	0	0
243	2/27/2023 13:32	0	0	0
244	2/27/2023 13:33	0	0	0
245	2/27/2023 13:34	0	0	0
246	2/27/2023 13:35	0	0	0
247	2/27/2023 13:36	0	0	0
248	2/27/2023 13:37	0	0	0
249	2/27/2023 13:38	0	0	0
250	2/27/2023 13:39	0	0	0
251	2/27/2023 13:40	0	0	0
252	2/27/2023 13:41	0	0	0
253	2/27/2023 13:42	0	0	0
254	2/27/2023 13:43	0	0	0
255	2/27/2023 13:44	0	0	0
256	2/27/2023 13:45	0	0	0
257	2/27/2023 13:46	0	0	0
258	2/27/2023 13:47	0	0	0
259	2/27/2023 13:48	0	0	0
260	2/27/2023 13:49	0	0	0
261	2/27/2023 13:50	0	0	0
262	2/27/2023 13:51	0	0	0
263	2/27/2023 13:52	0	0	0
264	2/27/2023 13:53	0	0	0
265	2/27/2023 13:54	0	0	0
266	2/27/2023 13:55	0	0	0
267	2/27/2023 13:56	0	0	0
268	2/27/2023 13:57	0	0	0
269	2/27/2023 13:58	0	0	0
270	2/27/2023 13:59	0	0	0
271	2/27/2023 14:00	0	0	0
272	2/27/2023 14:01	0	0	0
273	2/27/2023 14:02	0	0	0

274	2/27/2023 14:03	0	0	0
275	2/27/2023 14:04	0	0	0
276	2/27/2023 14:05	0	0	0
277	2/27/2023 14:06	0	0	0
278	2/27/2023 14:07	0	0	0
279	2/27/2023 14:08	0	0	0
280	2/27/2023 14:09	0	0	0
281	2/27/2023 14:10	0	0	0
282	2/27/2023 14:11	0	0	0
283	2/27/2023 14:12	0	0	0
284	2/27/2023 14:13	0	0	0
285	2/27/2023 14:14	0	0	0
286	2/27/2023 14:15	0	0	0
287	2/27/2023 14:16	0	0	0
288	2/27/2023 14:17	0	0	0
289	2/27/2023 14:18	0	0	0
290	2/27/2023 14:19	0	0	0
291	2/27/2023 14:20	0	0	0
292	2/27/2023 14:21	0	0	0
293	2/27/2023 14:22	0	0	0
294	2/27/2023 14:23	0	0	0
295	2/27/2023 14:24	0	0	0
296	2/27/2023 14:25	0	0	0
297	2/27/2023 14:26	0	0	0
298	2/27/2023 14:27	0	0	0
299	2/27/2023 14:28	0	0	0
300	2/27/2023 14:29	0	0	0
301	2/27/2023 14:30	0	0	0
302	2/27/2023 14:31	0	0	0
303	2/27/2023 14:32	0	0	0
304	2/27/2023 14:33	0	0	0
305	2/27/2023 14:34	0	0	0
306	2/27/2023 14:35	0	0	0
307	2/27/2023 14:36	0	0	0
308	2/27/2023 14:37	0	0	0
309	2/27/2023 14:38	0	0	0
310	2/27/2023 14:39	0	0	0
311	2/27/2023 14:40	0	0	0
312	2/27/2023 14:41	0	0	0
313	2/27/2023 14:42	0	0	0
314	2/27/2023 14:43	0	0	0
315	2/27/2023 14:44	0	0	0
316	2/27/2023 14:45	0	0	0
317	2/27/2023 14:46	0	0	0
318	2/27/2023 14:47	0	0	0
319	2/27/2023 14:48	0	0	0
320	2/27/2023 14:49	0	0	0

321	2/27/2023 14:50	0	0	0
322	2/27/2023 14:51	0	0	0
323	2/27/2023 14:52	0	0	0
324	2/27/2023 14:53	0	0	0
325	2/27/2023 14:54	0	0	0
326	2/27/2023 14:55	0	0	0
327	2/27/2023 14:56	0	0	0
328	2/27/2023 14:57	0	0	0
329	2/27/2023 14:58	0	0	0
330	2/27/2023 14:59	0	0	0
331	2/27/2023 15:00	0	0	0
332	2/27/2023 15:01	0	0	0
333	2/27/2023 15:02	0	0	0
334	2/27/2023 15:03	0	0	0
335	2/27/2023 15:04	0	0	0
336	2/27/2023 15:05	0	0	0
337	2/27/2023 15:06	0	0	0
338	2/27/2023 15:07	0	0	0
339	2/27/2023 15:08	0	0	0
340	2/27/2023 15:09	0	0	0
341	2/27/2023 15:10	0	0	0
342	2/27/2023 15:11	0	0	0
343	2/27/2023 15:12	0	0	0
344	2/27/2023 15:13	0	0	0
345	2/27/2023 15:14	0	0	0
346	2/27/2023 15:15	0	0	0
347	2/27/2023 15:16	0	0	0
348	2/27/2023 15:17	0	0	0
349	2/27/2023 15:18	0	0	0
350	2/27/2023 15:19	0	0	0
351	2/27/2023 15:20	0	0	0
352	2/27/2023 15:21	0	0	0
353	2/27/2023 15:22	0	0	0
354	2/27/2023 15:23	0	0	0
355	2/27/2023 15:24	0	0	0
356	2/27/2023 15:25	0	0	0
357	2/27/2023 15:26	0	0	0
358	2/27/2023 15:27	0	0	0
359	2/27/2023 15:28	0	0	0
360	2/27/2023 15:29	0	0	0
361	2/27/2023 15:30	0	0	0
362	2/27/2023 15:31	0	0	0
363	2/27/2023 15:32	0	0	0
364	2/27/2023 15:33	0	0	0
365	2/27/2023 15:34	0	0	0
366	2/27/2023 15:35	0	0	0
367	2/27/2023 15:36	0	0	0

	368	2/27/2023 15:37	0	0	0
	369	2/27/2023 15:38	0	0	0
	370	2/27/2023 15:39	0	0	0
	371	2/27/2023 15:40	0	0	0
	372	2/27/2023 15:41	0	0	0
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	382	2/27/2023 15:51	0	0	0
	383	2/27/2023 15:52	0	0	0
	384	2/27/2023 15:53	0	0	0
	385	2/27/2023 15:54	0	0	0
	386	2/27/2023 15:55	0	0	0
	387	2/27/2023 15:56	0	0	0
	388	2/27/2023 15:57	0	0.1	0.1
	389	2/27/2023 15:58	0	0.2	0
	390	2/27/2023 15:59	0	0.1	0
	391	2/27/2023 16:00	0.1	0.3	0
	392	2/27/2023 16:01	0	0	0
	393	2/27/2023 16:02	0	0	0
	394	2/27/2023 16:03	0	0	0
	395	2/27/2023 16:04	0	0	0
	396	2/27/2023 16:05	0	0	0
	397	2/27/2023 16:06	0	0	0
	398	2/27/2023 16:07	0	0	0
	399	2/27/2023 16:08	0	0	0
	400	2/27/2023 16:09	0	0	0
	401	2/27/2023 16:10	0	0	0
	402	2/27/2023 16:11	0	0	0
	403	2/27/2023 16:12	0	0	0
	404	2/27/2023 16:13	0	0	0
	405	2/27/2023 16:14	0	0	0
	406	2/27/2023 16:15	0	0	0
	407	2/27/2023 16:16	0	0	0
	408	2/27/2023 16:17	0	0	0
	409	2/27/2023 16:18	0	0	0
	410	2/27/2023 16:19	0	0	0
Peak			0.1	0.3	0.1
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/27/2023 9:30	0	---
2	2/27/2023 9:31	0	---
3	2/27/2023 9:32	0	---
4	2/27/2023 9:33	0	---
5	2/27/2023 9:34	0	---
6	2/27/2023 9:35	0	---
7	2/27/2023 9:36	0	---
8	2/27/2023 9:37	0	---
9	2/27/2023 9:38	0	---
10	2/27/2023 9:39	0	---
11	2/27/2023 9:40	0	---
12	2/27/2023 9:41	0	---
13	2/27/2023 9:42	0	---
14	2/27/2023 9:43	0	---
15	2/27/2023 9:44	0	0
16	2/27/2023 9:45	0	0
17	2/27/2023 9:46	0	0
18	2/27/2023 9:47	0	0
19	2/27/2023 9:48	0	0
20	2/27/2023 9:49	0	0
21	2/27/2023 9:50	0	0
22	2/27/2023 9:51	0	0
23	2/27/2023 9:52	0	0
24	2/27/2023 9:53	0	0
25	2/27/2023 9:54	0	0
26	2/27/2023 9:55	0	0
27	2/27/2023 9:56	0	0
28	2/27/2023 9:57	0	0
29	2/27/2023 9:58	0	0
30	2/27/2023 9:59	0	0
31	2/27/2023 10:00	0	0
32	2/27/2023 10:01	0	0
33	2/27/2023 10:02	0	0
34	2/27/2023 10:03	0	0
35	2/27/2023 10:04	0	0
36	2/27/2023 10:05	0	0
37	2/27/2023 10:06	0	0
38	2/27/2023 10:07	0	0
39	2/27/2023 10:08	0	0
40	2/27/2023 10:09	0	0
41	2/27/2023 10:10	0	0
42	2/27/2023 10:11	0	0
43	2/27/2023 10:12	0	0

44	2/27/2023 10:13	0	0
45	2/27/2023 10:14	0	0
46	2/27/2023 10:15	0	0
47	2/27/2023 10:16	0	0
48	2/27/2023 10:17	0	0
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56	2/27/2023 10:25	0	0
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62	2/27/2023 10:31	0	0
63	2/27/2023 10:32	0	0
64	2/27/2023 10:33	0	0
65	2/27/2023 10:34	0	0
66	2/27/2023 10:35	0	0
67	2/27/2023 10:36	0	0
68	2/27/2023 10:37	0	0
69	2/27/2023 10:38	0	0
70	2/27/2023 10:39	0	0
71	2/27/2023 10:40	0	0
72	2/27/2023 10:41	0	0
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74	2/27/2023 10:43	0	0
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86	2/27/2023 10:55	0	0
87	2/27/2023 10:56	0	0
88	2/27/2023 10:57	0	0
89	2/27/2023 10:58	0	0
90	2/27/2023 10:59	0	0

91	2/27/2023 11:00	0	0
92	2/27/2023 11:01	0	0
93	2/27/2023 11:02	0	0
94	2/27/2023 11:03	0	0
95	2/27/2023 11:04	0	0
96	2/27/2023 11:05	0	0
97	2/27/2023 11:06	0	0
98	2/27/2023 11:07	0	0
99	2/27/2023 11:08	0	0
100	2/27/2023 11:09	0	0
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102	2/27/2023 11:11	0	0
103	2/27/2023 11:12	0	0
104	2/27/2023 11:13	0	0
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106	2/27/2023 11:15	0	0
107	2/27/2023 11:16	0	0
108	2/27/2023 11:17	0	0
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118	2/27/2023 11:27	0	0
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120	2/27/2023 11:29	0	0
121	2/27/2023 11:30	0	0
122	2/27/2023 11:31	0	0
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124	2/27/2023 11:33	0	0
125	2/27/2023 11:34	0	0
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133	2/27/2023 11:42	0	0
134	2/27/2023 11:43	0	0
135	2/27/2023 11:44	0	0
136	2/27/2023 11:45	0	0
137	2/27/2023 11:46	0	0

138	2/27/2023 11:47	0	0
139	2/27/2023 11:48	0	0
140	2/27/2023 11:49	0	0
141	2/27/2023 11:50	0	0
142	2/27/2023 11:51	0	0
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149	2/27/2023 11:58	0	0
150	2/27/2023 11:59	0	0
151	2/27/2023 12:00	0	0
152	2/27/2023 12:01	0	0
153	2/27/2023 12:02	0	0
154	2/27/2023 12:03	0	0
155	2/27/2023 12:04	0	0
156	2/27/2023 12:05	0	0
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159	2/27/2023 12:08	0	0
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166	2/27/2023 12:15	0	0
167	2/27/2023 12:16	0	0
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171	2/27/2023 12:20	0	0
172	2/27/2023 12:21	0	0
173	2/27/2023 12:22	0	0
174	2/27/2023 12:23	0	0
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176	2/27/2023 12:25	0	0
177	2/27/2023 12:26	0	0
178	2/27/2023 12:27	0	0
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180	2/27/2023 12:29	0	0
181	2/27/2023 12:30	0	0
182	2/27/2023 12:31	0	0
183	2/27/2023 12:32	0	0
184	2/27/2023 12:33	0	0

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186	2/27/2023 12:35	0	0
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189	2/27/2023 12:38	0	0
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193	2/27/2023 12:42	0	0
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195	2/27/2023 12:44	0	0
196	2/27/2023 12:45	0	0
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202	2/27/2023 12:51	0	0
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212	2/27/2023 13:01	0	0
213	2/27/2023 13:02	0	0
214	2/27/2023 13:03	0	0
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216	2/27/2023 13:05	0	0
217	2/27/2023 13:06	0	0
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219	2/27/2023 13:08	0	0
220	2/27/2023 13:09	0	0
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222	2/27/2023 13:11	0	0
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235	2/27/2023 13:24	0	0
236	2/27/2023 13:25	0	0
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246	2/27/2023 13:35	0	0
247	2/27/2023 13:36	0	0
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250	2/27/2023 13:39	0	0
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260	2/27/2023 13:49	0	0
261	2/27/2023 13:50	0	0
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271	2/27/2023 14:00	0	0
272	2/27/2023 14:01	0	0
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274	2/27/2023 14:03	0	0
275	2/27/2023 14:04	0	0
276	2/27/2023 14:05	0	0
277	2/27/2023 14:06	0	0
278	2/27/2023 14:07	0	0

279	2/27/2023 14:08	0	0
280	2/27/2023 14:09	0	0
281	2/27/2023 14:10	0	0
282	2/27/2023 14:11	0	0
283	2/27/2023 14:12	0	0
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285	2/27/2023 14:14	0	0
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287	2/27/2023 14:16	0	0
288	2/27/2023 14:17	0	0
289	2/27/2023 14:18	0	0
290	2/27/2023 14:19	0	0
291	2/27/2023 14:20	0	0
292	2/27/2023 14:21	0	0
293	2/27/2023 14:22	0	0
294	2/27/2023 14:23	0	0
295	2/27/2023 14:24	0	0
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302	2/27/2023 14:31	0	0
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307	2/27/2023 14:36	0	0
308	2/27/2023 14:37	0	0
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321	2/27/2023 14:50	0	0
322	2/27/2023 14:51	0	0
323	2/27/2023 14:52	0	0
324	2/27/2023 14:53	0	0
325	2/27/2023 14:54	0	0

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327	2/27/2023 14:56	0	0
328	2/27/2023 14:57	0	0
329	2/27/2023 14:58	0	0
330	2/27/2023 14:59	0	0
331	2/27/2023 15:00	0	0
332	2/27/2023 15:01	0	0
333	2/27/2023 15:02	0	0
334	2/27/2023 15:03	0	0
335	2/27/2023 15:04	0	0
336	2/27/2023 15:05	0	0
337	2/27/2023 15:06	0	0
338	2/27/2023 15:07	0	0
339	2/27/2023 15:08	0	0
340	2/27/2023 15:09	0	0
341	2/27/2023 15:10	0	0
342	2/27/2023 15:11	0	0
343	2/27/2023 15:12	0	0
344	2/27/2023 15:13	0	0
345	2/27/2023 15:14	0	0
346	2/27/2023 15:15	0	0
347	2/27/2023 15:16	0	0
348	2/27/2023 15:17	0	0
349	2/27/2023 15:18	0	0
350	2/27/2023 15:19	0	0
351	2/27/2023 15:20	0	0
352	2/27/2023 15:21	0	0
353	2/27/2023 15:22	0	0
354	2/27/2023 15:23	0	0
355	2/27/2023 15:24	0	0
356	2/27/2023 15:25	0	0
357	2/27/2023 15:26	0	0
358	2/27/2023 15:27	0	0
359	2/27/2023 15:28	0	0
360	2/27/2023 15:29	0	0
361	2/27/2023 15:30	0	0
362	2/27/2023 15:31	0	0
363	2/27/2023 15:32	0	0
364	2/27/2023 15:33	0	0
365	2/27/2023 15:34	0	0
366	2/27/2023 15:35	0	0
367	2/27/2023 15:36	0	0
368	2/27/2023 15:37	0	0
369	2/27/2023 15:38	0	0
370	2/27/2023 15:39	0	0
371	2/27/2023 15:40	0	0
372	2/27/2023 15:41	0	0

373	2/27/2023 15:42	0	0
374	2/27/2023 15:43	0	0
375	2/27/2023 15:44	0	0
376	2/27/2023 15:45	0	0
377	2/27/2023 15:46	0	0
378	2/27/2023 15:47	0	0
379	2/27/2023 15:48	0	0
380	2/27/2023 15:49	0	0
381	2/27/2023 15:50	0	0
382	2/27/2023 15:51	0	0
383	2/27/2023 15:52	0	0
384	2/27/2023 15:53	0	0
385	2/27/2023 15:54	0	0
386	2/27/2023 15:55	0	0
387	2/27/2023 15:56	0	0
388	2/27/2023 15:57	0	0
389	2/27/2023 15:58	0	0
390	2/27/2023 15:59	0	0
391	2/27/2023 16:00	0	0
392	2/27/2023 16:01	0	0
393	2/27/2023 16:02	0	0
394	2/27/2023 16:03	0	0
395	2/27/2023 16:04	0	0
396	2/27/2023 16:05	0	0
397	2/27/2023 16:06	0	0
398	2/27/2023 16:07	0	0
399	2/27/2023 16:08	0	0
400	2/27/2023 16:09	0	0
401	2/27/2023 16:10	0	0
402	2/27/2023 16:11	0	0
403	2/27/2023 16:12	0	0
404	2/27/2023 16:13	0	0
405	2/27/2023 16:14	0	0
406	2/27/2023 16:15	0	0
407	2/27/2023 16:16	0	0
408	2/27/2023 16:17	0	0
409	2/27/2023 16:18	0	0
410	2/27/2023 16:19	0	0

==========

23/02/28 09:12

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	2/28/2023 9:12
End	2/28/2023 14:10
Sample Period(s)	60
Number of Records	297

Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/28/2023 9:13	0	0	0
2	2/28/2023 9:14	0	0	0
3	2/28/2023 9:15	0	0	0
4	2/28/2023 9:16	0	0	0
5	2/28/2023 9:17	0	0	0
6	2/28/2023 9:18	0	0	0
7	2/28/2023 9:19	0	0	0
8	2/28/2023 9:20	0	0	0
9	2/28/2023 9:21	0	0	0
10	2/28/2023 9:22	0	0	0
11	2/28/2023 9:23	0	0	0
12	2/28/2023 9:24	0	0	0
13	2/28/2023 9:25	0	0	0
14	2/28/2023 9:26	0	0	0

15	2/28/2023 9:27	0	0	0
16	2/28/2023 9:28	0	0	0
17	2/28/2023 9:29	0	0	0
18	2/28/2023 9:30	0	0	0
19	2/28/2023 9:31	0	0	0
20	2/28/2023 9:32	0	0	0
21	2/28/2023 9:33	0	0	0
22	2/28/2023 9:34	0	0	0
23	2/28/2023 9:35	0	0	0
24	2/28/2023 9:36	0	0	0
25	2/28/2023 9:37	0	0	0
26	2/28/2023 9:38	0	0	0
27	2/28/2023 9:39	0	0	0
28	2/28/2023 9:40	0	0	0
29	2/28/2023 9:41	0	0	0
30	2/28/2023 9:42	0	0	0
31	2/28/2023 9:43	0	0	0
32	2/28/2023 9:44	0	0	0
33	2/28/2023 9:45	0	0	0
34	2/28/2023 9:46	0	0	0
35	2/28/2023 9:47	0	0	0
36	2/28/2023 9:48	0	0	0
37	2/28/2023 9:49	0	0	0
38	2/28/2023 9:50	0	0	0
39	2/28/2023 9:51	0	0	0
40	2/28/2023 9:52	0	0	0
41	2/28/2023 9:53	0	0	0
42	2/28/2023 9:54	0	0	0
43	2/28/2023 9:55	0	0	0
44	2/28/2023 9:56	0	0	0
45	2/28/2023 9:57	0	0	0
46	2/28/2023 9:58	0	0	0
47	2/28/2023 9:59	0	0	0
48	2/28/2023 10:00	0	0	0
49	2/28/2023 10:01	0	0	0
50	2/28/2023 10:02	0	0	0
51	2/28/2023 10:03	0	0	0
52	2/28/2023 10:04	0	0	0
53	2/28/2023 10:05	0	0	0
54	2/28/2023 10:06	0	0	0
55	2/28/2023 10:07	0	0	0
56	2/28/2023 10:08	0	0	0
57	2/28/2023 10:09	0	0	0
58	2/28/2023 10:10	0	0	0
59	2/28/2023 10:11	0	0	0
60	2/28/2023 10:12	0	0	0
61	2/28/2023 10:13	0	0	0

62	2/28/2023 10:14	0	0	0
63	2/28/2023 10:15	0	0	0
64	2/28/2023 10:16	0	0	0
65	2/28/2023 10:17	0	0	0
66	2/28/2023 10:18	0	0	0
67	2/28/2023 10:19	0	0	0
68	2/28/2023 10:20	0	0	0
69	2/28/2023 10:21	0	0	0
70	2/28/2023 10:22	0	0	0
71	2/28/2023 10:23	0	0	0
72	2/28/2023 10:24	0	0	0
73	2/28/2023 10:25	0	0	0
74	2/28/2023 10:26	0	0	0
75	2/28/2023 10:27	0	0	0
76	2/28/2023 10:28	0	0	0
77	2/28/2023 10:29	0	0	0
78	2/28/2023 10:30	0	0	0
79	2/28/2023 10:31	0	0	0
80	2/28/2023 10:32	0	0	0
81	2/28/2023 10:33	0	0	0
82	2/28/2023 10:34	0	0	0
83	2/28/2023 10:35	0	0	0
84	2/28/2023 10:36	0	0	0
85	2/28/2023 10:37	0	0	0
86	2/28/2023 10:38	0	0	0
87	2/28/2023 10:39	0	0	0
88	2/28/2023 10:40	0	0	0
89	2/28/2023 10:41	0	0	0
90	2/28/2023 10:42	0	0	0
91	2/28/2023 10:43	0	0	0
92	2/28/2023 10:44	0	0	0
93	2/28/2023 10:45	0	0	0
94	2/28/2023 10:46	0	0	0
95	2/28/2023 10:47	0	0	0
96	2/28/2023 10:48	0	0	0
97	2/28/2023 10:49	0	0	0
98	2/28/2023 10:50	0	0	0
99	2/28/2023 10:51	0	0	0
100	2/28/2023 10:52	0	0	0
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102	2/28/2023 10:54	0	0	0
103	2/28/2023 10:55	0	0	0
104	2/28/2023 10:56	0	0	0
105	2/28/2023 10:57	0	0	0
106	2/28/2023 10:58	0	0	0
107	2/28/2023 10:59	0	0	0
108	2/28/2023 11:00	0	0	0

109	2/28/2023 11:01	0	0	0
110	2/28/2023 11:02	0	0	0
111	2/28/2023 11:03	0	0	0
112	2/28/2023 11:04	0	0	0
113	2/28/2023 11:05	0	0	0
114	2/28/2023 11:06	0	0	0
115	2/28/2023 11:07	0	0	0
116	2/28/2023 11:08	0	0	0
117	2/28/2023 11:09	0	0	0
118	2/28/2023 11:10	0	0	0
119	2/28/2023 11:11	0	0	0
120	2/28/2023 11:12	0	0	0
121	2/28/2023 11:13	0	0	0
122	2/28/2023 11:14	0	0	0
123	2/28/2023 11:15	0	0	0
124	2/28/2023 11:16	0	0	0
125	2/28/2023 11:17	0	0	0
126	2/28/2023 11:18	0	0	0
127	2/28/2023 11:19	0	0	0
128	2/28/2023 11:20	0	0	0
129	2/28/2023 11:21	0	0	0
130	2/28/2023 11:22	0	0	0
131	2/28/2023 11:23	0	0	0
132	2/28/2023 11:24	0	0	0
133	2/28/2023 11:25	0	0	0
134	2/28/2023 11:26	0	0	0
135	2/28/2023 11:27	0	0	0
136	2/28/2023 11:28	0	0	0
137	2/28/2023 11:29	0	0	0
138	2/28/2023 11:30	0	0	0
139	2/28/2023 11:31	0	0	0
140	2/28/2023 11:32	0	0	0
141	2/28/2023 11:33	0	0	0
142	2/28/2023 11:34	0	0	0
143	2/28/2023 11:35	0	0	0
144	2/28/2023 11:36	0	0	0
145	2/28/2023 11:37	0	0	0
146	2/28/2023 11:38	0	0	0
147	2/28/2023 11:39	0	0	0
148	2/28/2023 11:40	0	0	0
149	2/28/2023 11:41	0	0	0
150	2/28/2023 11:42	0	0	0
151	2/28/2023 11:43	0	0	0
152	2/28/2023 11:44	0	0	0
153	2/28/2023 11:45	0	0	0
154	2/28/2023 11:46	0	0	0
155	2/28/2023 11:47	0	0	0

156	2/28/2023 11:48	0	0	0
157	2/28/2023 11:49	0	0	0
158	2/28/2023 11:50	0	0	0
159	2/28/2023 11:51	0	0	0
160	2/28/2023 11:52	0	0	0
161	2/28/2023 11:53	0	0	0
162	2/28/2023 11:54	0	0	0
163	2/28/2023 11:55	0	0	0
164	2/28/2023 11:56	0	0	0
165	2/28/2023 11:57	0	0	0
166	2/28/2023 11:58	0	0	0
167	2/28/2023 11:59	0	0	0
168	2/28/2023 12:00	0	0	0
169	2/28/2023 12:01	0	0	0
170	2/28/2023 12:02	0	0	0
171	2/28/2023 12:03	0	0	0
172	2/28/2023 12:04	0	0	0
173	2/28/2023 12:05	0	0	0
174	2/28/2023 12:06	0	0	0
175	2/28/2023 12:07	0	0	0
176	2/28/2023 12:08	0	0	0
177	2/28/2023 12:09	0	0	0
178	2/28/2023 12:10	0	0	0
179	2/28/2023 12:11	0	0	0
180	2/28/2023 12:12	0	0	0
181	2/28/2023 12:13	0	0	0
182	2/28/2023 12:14	0	0	0
183	2/28/2023 12:15	0	0	0
184	2/28/2023 12:16	0	0	0
185	2/28/2023 12:17	0	0	0
186	2/28/2023 12:18	0	0	0
187	2/28/2023 12:19	0	0	0
188	2/28/2023 12:20	0	0	0
189	2/28/2023 12:21	0	0	0
190	2/28/2023 12:22	0	0	0
191	2/28/2023 12:23	0	0	0
192	2/28/2023 12:24	0	0	0
193	2/28/2023 12:25	0	0	0
194	2/28/2023 12:26	0	0	0
195	2/28/2023 12:27	0	0	0
196	2/28/2023 12:28	0	0	0
197	2/28/2023 12:29	0	0	0
198	2/28/2023 12:30	0	0	0
199	2/28/2023 12:31	0	0	0
200	2/28/2023 12:32	0	0	0
201	2/28/2023 12:33	0	0	0
202	2/28/2023 12:34	0	0	0

203	2/28/2023 12:35	0	0	0
204	2/28/2023 12:36	0	0	0
205	2/28/2023 12:37	0	0	0
206	2/28/2023 12:38	0	0	0
207	2/28/2023 12:39	0	0	0
208	2/28/2023 12:40	0	0	0
209	2/28/2023 12:41	0	0	0
210	2/28/2023 12:42	0	0	0
211	2/28/2023 12:43	0	0	0
212	2/28/2023 12:44	0	0	0
213	2/28/2023 12:45	0	0	0
214	2/28/2023 12:46	0	0	0
215	2/28/2023 12:47	0	0	0
216	2/28/2023 12:48	0	0	0
217	2/28/2023 12:49	0	0	0
218	2/28/2023 12:50	0	0	0
219	2/28/2023 12:51	0	0	0
220	2/28/2023 12:52	0	0	0
221	2/28/2023 12:53	0	0	0
222	2/28/2023 12:54	0	0	0
223	2/28/2023 12:55	0	0	0
224	2/28/2023 12:56	0	0	0
225	2/28/2023 12:57	0	0	0
226	2/28/2023 12:58	0	0	0
227	2/28/2023 12:59	0	0	0
228	2/28/2023 13:00	0	0	0
229	2/28/2023 13:01	0	0	0
230	2/28/2023 13:02	0	0	0
231	2/28/2023 13:03	0	0	0
232	2/28/2023 13:04	0	0	0
233	2/28/2023 13:05	0	0	0
234	2/28/2023 13:06	0	0	0
235	2/28/2023 13:07	0	0	0
236	2/28/2023 13:08	0	0	0
237	2/28/2023 13:09	0	0	0
238	2/28/2023 13:10	0	0	0
239	2/28/2023 13:11	0	0	0
240	2/28/2023 13:12	0	0	0
241	2/28/2023 13:13	0	0	0
242	2/28/2023 13:14	0	0	0
243	2/28/2023 13:15	0	0	0
244	2/28/2023 13:16	0	0	0
245	2/28/2023 13:17	0	0	0
246	2/28/2023 13:18	0	0	0
247	2/28/2023 13:19	0	0	0
248	2/28/2023 13:20	0	0	0
249	2/28/2023 13:21	0	0	0

250	2/28/2023 13:22	0	0	0
251	2/28/2023 13:23	0	0	0
252	2/28/2023 13:24	0	0	0
253	2/28/2023 13:25	0	0	0
254	2/28/2023 13:26	0	0	0
255	2/28/2023 13:27	0	0	0
256	2/28/2023 13:28	0	0	0
257	2/28/2023 13:29	0	0	0
258	2/28/2023 13:30	0	0	0
259	2/28/2023 13:31	0	0	0
260	2/28/2023 13:32	0	0	0
261	2/28/2023 13:33	0	0	0
262	2/28/2023 13:34	0	0	0
263	2/28/2023 13:35	0	0	0
264	2/28/2023 13:36	0	0	0
265	2/28/2023 13:37	0	0	0
266	2/28/2023 13:38	0	0	0
267	2/28/2023 13:39	0	0	0
268	2/28/2023 13:40	0	0	0
269	2/28/2023 13:41	0	0	0
270	2/28/2023 13:42	0	0	0
271	2/28/2023 13:43	0	0	0
272	2/28/2023 13:44	0	0	0
273	2/28/2023 13:45	0	0	0
274	2/28/2023 13:46	0	0	0
275	2/28/2023 13:47	0	0	0
276	2/28/2023 13:48	0	0	0
277	2/28/2023 13:49	0	0	0
278	2/28/2023 13:50	0	0	0
279	2/28/2023 13:51	0	0	0
280	2/28/2023 13:52	0	0	0
281	2/28/2023 13:53	0	0	0
282	2/28/2023 13:54	0	0	0
283	2/28/2023 13:55	0	0	0
284	2/28/2023 13:56	0	0	0
285	2/28/2023 13:57	0	0	0
286	2/28/2023 13:58	0	0	0
287	2/28/2023 13:59	0	0	0
288	2/28/2023 14:00	0	0	0
289	2/28/2023 14:01	0	0	0
290	2/28/2023 14:02	0	0	0
291	2/28/2023 14:03	0	0	0
292	2/28/2023 14:04	0	0	0
293	2/28/2023 14:05	0	0	0
294	2/28/2023 14:06	0	0	0
295	2/28/2023 14:07	0	0	0
296	2/28/2023 14:08	0	0	0

	297	2/28/2023 14:09	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
1	2/28/2023 9:13	0	---	
2	2/28/2023 9:14	0	---	
3	2/28/2023 9:15	0	---	
4	2/28/2023 9:16	0	---	
5	2/28/2023 9:17	0	---	
6	2/28/2023 9:18	0	---	
7	2/28/2023 9:19	0	---	
8	2/28/2023 9:20	0	---	
9	2/28/2023 9:21	0	---	
10	2/28/2023 9:22	0	---	
11	2/28/2023 9:23	0	---	
12	2/28/2023 9:24	0	---	
13	2/28/2023 9:25	0	---	
14	2/28/2023 9:26	0	---	
15	2/28/2023 9:27	0	0	
16	2/28/2023 9:28	0	0	
17	2/28/2023 9:29	0	0	
18	2/28/2023 9:30	0	0	
19	2/28/2023 9:31	0	0	
20	2/28/2023 9:32	0	0	
21	2/28/2023 9:33	0	0	
22	2/28/2023 9:34	0	0	
23	2/28/2023 9:35	0	0	
24	2/28/2023 9:36	0	0	
25	2/28/2023 9:37	0	0	
26	2/28/2023 9:38	0	0	
27	2/28/2023 9:39	0	0	
28	2/28/2023 9:40	0	0	
29	2/28/2023 9:41	0	0	
30	2/28/2023 9:42	0	0	
31	2/28/2023 9:43	0	0	
32	2/28/2023 9:44	0	0	
33	2/28/2023 9:45	0	0	
34	2/28/2023 9:46	0	0	
35	2/28/2023 9:47	0	0	
36	2/28/2023 9:48	0	0	
37	2/28/2023 9:49	0	0	
38	2/28/2023 9:50	0	0	

39	2/28/2023 9:51	0	0
40	2/28/2023 9:52	0	0
41	2/28/2023 9:53	0	0
42	2/28/2023 9:54	0	0
43	2/28/2023 9:55	0	0
44	2/28/2023 9:56	0	0
45	2/28/2023 9:57	0	0
46	2/28/2023 9:58	0	0
47	2/28/2023 9:59	0	0
48	2/28/2023 10:00	0	0
49	2/28/2023 10:01	0	0
50	2/28/2023 10:02	0	0
51	2/28/2023 10:03	0	0
52	2/28/2023 10:04	0	0
53	2/28/2023 10:05	0	0
54	2/28/2023 10:06	0	0
55	2/28/2023 10:07	0	0
56	2/28/2023 10:08	0	0
57	2/28/2023 10:09	0	0
58	2/28/2023 10:10	0	0
59	2/28/2023 10:11	0	0
60	2/28/2023 10:12	0	0
61	2/28/2023 10:13	0	0
62	2/28/2023 10:14	0	0
63	2/28/2023 10:15	0	0
64	2/28/2023 10:16	0	0
65	2/28/2023 10:17	0	0
66	2/28/2023 10:18	0	0
67	2/28/2023 10:19	0	0
68	2/28/2023 10:20	0	0
69	2/28/2023 10:21	0	0
70	2/28/2023 10:22	0	0
71	2/28/2023 10:23	0	0
72	2/28/2023 10:24	0	0
73	2/28/2023 10:25	0	0
74	2/28/2023 10:26	0	0
75	2/28/2023 10:27	0	0
76	2/28/2023 10:28	0	0
77	2/28/2023 10:29	0	0
78	2/28/2023 10:30	0	0
79	2/28/2023 10:31	0	0
80	2/28/2023 10:32	0	0
81	2/28/2023 10:33	0	0
82	2/28/2023 10:34	0	0
83	2/28/2023 10:35	0	0
84	2/28/2023 10:36	0	0
85	2/28/2023 10:37	0	0

86	2/28/2023 10:38	0	0
87	2/28/2023 10:39	0	0
88	2/28/2023 10:40	0	0
89	2/28/2023 10:41	0	0
90	2/28/2023 10:42	0	0
91	2/28/2023 10:43	0	0
92	2/28/2023 10:44	0	0
93	2/28/2023 10:45	0	0
94	2/28/2023 10:46	0	0
95	2/28/2023 10:47	0	0
96	2/28/2023 10:48	0	0
97	2/28/2023 10:49	0	0
98	2/28/2023 10:50	0	0
99	2/28/2023 10:51	0	0
100	2/28/2023 10:52	0	0
101	2/28/2023 10:53	0	0
102	2/28/2023 10:54	0	0
103	2/28/2023 10:55	0	0
104	2/28/2023 10:56	0	0
105	2/28/2023 10:57	0	0
106	2/28/2023 10:58	0	0
107	2/28/2023 10:59	0	0
108	2/28/2023 11:00	0	0
109	2/28/2023 11:01	0	0
110	2/28/2023 11:02	0	0
111	2/28/2023 11:03	0	0
112	2/28/2023 11:04	0	0
113	2/28/2023 11:05	0	0
114	2/28/2023 11:06	0	0
115	2/28/2023 11:07	0	0
116	2/28/2023 11:08	0	0
117	2/28/2023 11:09	0	0
118	2/28/2023 11:10	0	0
119	2/28/2023 11:11	0	0
120	2/28/2023 11:12	0	0
121	2/28/2023 11:13	0	0
122	2/28/2023 11:14	0	0
123	2/28/2023 11:15	0	0
124	2/28/2023 11:16	0	0
125	2/28/2023 11:17	0	0
126	2/28/2023 11:18	0	0
127	2/28/2023 11:19	0	0
128	2/28/2023 11:20	0	0
129	2/28/2023 11:21	0	0
130	2/28/2023 11:22	0	0
131	2/28/2023 11:23	0	0
132	2/28/2023 11:24	0	0

133	2/28/2023 11:25	0	0
134	2/28/2023 11:26	0	0
135	2/28/2023 11:27	0	0
136	2/28/2023 11:28	0	0
137	2/28/2023 11:29	0	0
138	2/28/2023 11:30	0	0
139	2/28/2023 11:31	0	0
140	2/28/2023 11:32	0	0
141	2/28/2023 11:33	0	0
142	2/28/2023 11:34	0	0
143	2/28/2023 11:35	0	0
144	2/28/2023 11:36	0	0
145	2/28/2023 11:37	0	0
146	2/28/2023 11:38	0	0
147	2/28/2023 11:39	0	0
148	2/28/2023 11:40	0	0
149	2/28/2023 11:41	0	0
150	2/28/2023 11:42	0	0
151	2/28/2023 11:43	0	0
152	2/28/2023 11:44	0	0
153	2/28/2023 11:45	0	0
154	2/28/2023 11:46	0	0
155	2/28/2023 11:47	0	0
156	2/28/2023 11:48	0	0
157	2/28/2023 11:49	0	0
158	2/28/2023 11:50	0	0
159	2/28/2023 11:51	0	0
160	2/28/2023 11:52	0	0
161	2/28/2023 11:53	0	0
162	2/28/2023 11:54	0	0
163	2/28/2023 11:55	0	0
164	2/28/2023 11:56	0	0
165	2/28/2023 11:57	0	0
166	2/28/2023 11:58	0	0
167	2/28/2023 11:59	0	0
168	2/28/2023 12:00	0	0
169	2/28/2023 12:01	0	0
170	2/28/2023 12:02	0	0
171	2/28/2023 12:03	0	0
172	2/28/2023 12:04	0	0
173	2/28/2023 12:05	0	0
174	2/28/2023 12:06	0	0
175	2/28/2023 12:07	0	0
176	2/28/2023 12:08	0	0
177	2/28/2023 12:09	0	0
178	2/28/2023 12:10	0	0
179	2/28/2023 12:11	0	0

180	2/28/2023 12:12	0	0
181	2/28/2023 12:13	0	0
182	2/28/2023 12:14	0	0
183	2/28/2023 12:15	0	0
184	2/28/2023 12:16	0	0
185	2/28/2023 12:17	0	0
186	2/28/2023 12:18	0	0
187	2/28/2023 12:19	0	0
188	2/28/2023 12:20	0	0
189	2/28/2023 12:21	0	0
190	2/28/2023 12:22	0	0
191	2/28/2023 12:23	0	0
192	2/28/2023 12:24	0	0
193	2/28/2023 12:25	0	0
194	2/28/2023 12:26	0	0
195	2/28/2023 12:27	0	0
196	2/28/2023 12:28	0	0
197	2/28/2023 12:29	0	0
198	2/28/2023 12:30	0	0
199	2/28/2023 12:31	0	0
200	2/28/2023 12:32	0	0
201	2/28/2023 12:33	0	0
202	2/28/2023 12:34	0	0
203	2/28/2023 12:35	0	0
204	2/28/2023 12:36	0	0
205	2/28/2023 12:37	0	0
206	2/28/2023 12:38	0	0
207	2/28/2023 12:39	0	0
208	2/28/2023 12:40	0	0
209	2/28/2023 12:41	0	0
210	2/28/2023 12:42	0	0
211	2/28/2023 12:43	0	0
212	2/28/2023 12:44	0	0
213	2/28/2023 12:45	0	0
214	2/28/2023 12:46	0	0
215	2/28/2023 12:47	0	0
216	2/28/2023 12:48	0	0
217	2/28/2023 12:49	0	0
218	2/28/2023 12:50	0	0
219	2/28/2023 12:51	0	0
220	2/28/2023 12:52	0	0
221	2/28/2023 12:53	0	0
222	2/28/2023 12:54	0	0
223	2/28/2023 12:55	0	0
224	2/28/2023 12:56	0	0
225	2/28/2023 12:57	0	0
226	2/28/2023 12:58	0	0

227	2/28/2023 12:59	0	0
228	2/28/2023 13:00	0	0
229	2/28/2023 13:01	0	0
230	2/28/2023 13:02	0	0
231	2/28/2023 13:03	0	0
232	2/28/2023 13:04	0	0
233	2/28/2023 13:05	0	0
234	2/28/2023 13:06	0	0
235	2/28/2023 13:07	0	0
236	2/28/2023 13:08	0	0
237	2/28/2023 13:09	0	0
238	2/28/2023 13:10	0	0
239	2/28/2023 13:11	0	0
240	2/28/2023 13:12	0	0
241	2/28/2023 13:13	0	0
242	2/28/2023 13:14	0	0
243	2/28/2023 13:15	0	0
244	2/28/2023 13:16	0	0
245	2/28/2023 13:17	0	0
246	2/28/2023 13:18	0	0
247	2/28/2023 13:19	0	0
248	2/28/2023 13:20	0	0
249	2/28/2023 13:21	0	0
250	2/28/2023 13:22	0	0
251	2/28/2023 13:23	0	0
252	2/28/2023 13:24	0	0
253	2/28/2023 13:25	0	0
254	2/28/2023 13:26	0	0
255	2/28/2023 13:27	0	0
256	2/28/2023 13:28	0	0
257	2/28/2023 13:29	0	0
258	2/28/2023 13:30	0	0
259	2/28/2023 13:31	0	0
260	2/28/2023 13:32	0	0
261	2/28/2023 13:33	0	0
262	2/28/2023 13:34	0	0
263	2/28/2023 13:35	0	0
264	2/28/2023 13:36	0	0
265	2/28/2023 13:37	0	0
266	2/28/2023 13:38	0	0
267	2/28/2023 13:39	0	0
268	2/28/2023 13:40	0	0
269	2/28/2023 13:41	0	0
270	2/28/2023 13:42	0	0
271	2/28/2023 13:43	0	0
272	2/28/2023 13:44	0	0
273	2/28/2023 13:45	0	0

274	2/28/2023 13:46	0	0
275	2/28/2023 13:47	0	0
276	2/28/2023 13:48	0	0
277	2/28/2023 13:49	0	0
278	2/28/2023 13:50	0	0
279	2/28/2023 13:51	0	0
280	2/28/2023 13:52	0	0
281	2/28/2023 13:53	0	0
282	2/28/2023 13:54	0	0
283	2/28/2023 13:55	0	0
284	2/28/2023 13:56	0	0
285	2/28/2023 13:57	0	0
286	2/28/2023 13:58	0	0
287	2/28/2023 13:59	0	0
288	2/28/2023 14:00	0	0
289	2/28/2023 14:01	0	0
290	2/28/2023 14:02	0	0
291	2/28/2023 14:03	0	0
292	2/28/2023 14:04	0	0
293	2/28/2023 14:05	0	0
294	2/28/2023 14:06	0	0
295	2/28/2023 14:07	0	0
296	2/28/2023 14:08	0	0
297	2/28/2023 14:09	0	0

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23/02/28 14:24

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	2/28/2023 14:24
End	2/28/2023 14:35
Sample Period(s)	60
Number of Records	10

Sensor	PID(ppm)

Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/28/2023 14:25	0	0	0
2	2/28/2023 14:26	0	0	0
3	2/28/2023 14:27	0	0	0
4	2/28/2023 14:28	0	0	0
5	2/28/2023 14:29	0	0	0
6	2/28/2023 14:30	0	0	0
7	2/28/2023 14:31	0	0	0
8	2/28/2023 14:32	0	0	0
9	2/28/2023 14:33	0	0	0
10	2/28/2023 14:34	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/28/2023 14:25	0	---
2	2/28/2023 14:26	0	---
3	2/28/2023 14:27	0	---
4	2/28/2023 14:28	0	---
5	2/28/2023 14:29	0	---
6	2/28/2023 14:30	0	---
7	2/28/2023 14:31	0	---
8	2/28/2023 14:32	0	---
9	2/28/2023 14:33	0	---
10	2/28/2023 14:34	0	---

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23/03/01 09:27
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/1/2023 9:27
End	3/1/2023 11:26
Sample Period(s)	60
Number of Records	118

Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/1/2023 9:28	0	0	0
2	3/1/2023 9:29	0	0	0
3	3/1/2023 9:30	0	0	0
4	3/1/2023 9:31	0	0	0
5	3/1/2023 9:32	0	0	0

6	3/1/2023 9:33	0	0	0
7	3/1/2023 9:34	0	0	0
8	3/1/2023 9:35	0	0	0
9	3/1/2023 9:36	0	0	0
10	3/1/2023 9:37	0	0	0
11	3/1/2023 9:38	0	0	0
12	3/1/2023 9:39	0	0	0
13	3/1/2023 9:40	0	0	0
14	3/1/2023 9:41	0	0	0
15	3/1/2023 9:42	0	0	0
16	3/1/2023 9:43	0	0	0
17	3/1/2023 9:44	0	0	0
18	3/1/2023 9:45	0	0	0
19	3/1/2023 9:46	0	0	0
20	3/1/2023 9:47	0	0	0
21	3/1/2023 9:48	0	0	0
22	3/1/2023 9:49	0	0	0
23	3/1/2023 9:50	0	0	0
24	3/1/2023 9:51	0	0	0
25	3/1/2023 9:52	0	0	0
26	3/1/2023 9:53	0	0	0
27	3/1/2023 9:54	0	0	0
28	3/1/2023 9:55	0	0	0
29	3/1/2023 9:56	0	0	0
30	3/1/2023 9:57	0	0	0
31	3/1/2023 9:58	0	0	0
32	3/1/2023 9:59	0	0	0
33	3/1/2023 10:00	0	0	0
34	3/1/2023 10:01	0	0	0
35	3/1/2023 10:02	0	0	0
36	3/1/2023 10:03	0	0	0
37	3/1/2023 10:04	0	0	0
38	3/1/2023 10:05	0	0	0
39	3/1/2023 10:06	0	0	0
40	3/1/2023 10:07	0	0	0
41	3/1/2023 10:08	0	0	0
42	3/1/2023 10:09	0	0	0
43	3/1/2023 10:10	0	0	0
44	3/1/2023 10:11	0	0	0
45	3/1/2023 10:12	0	0	0
46	3/1/2023 10:13	0	0	0
47	3/1/2023 10:14	0	0	0
48	3/1/2023 10:15	0	0	0
49	3/1/2023 10:16	0	0	0
50	3/1/2023 10:17	0	0	0
51	3/1/2023 10:18	0	0	0
52	3/1/2023 10:19	0	0	0

53	3/1/2023 10:20	0	0	0
54	3/1/2023 10:21	0	0	0
55	3/1/2023 10:22	0	0	0
56	3/1/2023 10:23	0	0	0
57	3/1/2023 10:24	0	0	0
58	3/1/2023 10:25	0	0	0
59	3/1/2023 10:26	0	0	0
60	3/1/2023 10:27	0	0	0
61	3/1/2023 10:28	0	0	0
62	3/1/2023 10:29	0	0	0
63	3/1/2023 10:30	0	0	0
64	3/1/2023 10:31	0	0	0
65	3/1/2023 10:32	0	0	0
66	3/1/2023 10:33	0	0	0
67	3/1/2023 10:34	0	0	0
68	3/1/2023 10:35	0	0	0
69	3/1/2023 10:36	0	0	0
70	3/1/2023 10:37	0	0	0
71	3/1/2023 10:38	0	0	0
72	3/1/2023 10:39	0	0	0
73	3/1/2023 10:40	0	0	0
74	3/1/2023 10:41	0	0	0
75	3/1/2023 10:42	0	0	0
76	3/1/2023 10:43	0	0	0
77	3/1/2023 10:44	0	0	0
78	3/1/2023 10:45	0	0	0
79	3/1/2023 10:46	0	0	0
80	3/1/2023 10:47	0	0	0
81	3/1/2023 10:48	0	0	0
82	3/1/2023 10:49	0	0	0
83	3/1/2023 10:50	0	0	0
84	3/1/2023 10:51	0	0	0
85	3/1/2023 10:52	0	0	0
86	3/1/2023 10:53	0	0	0
87	3/1/2023 10:54	0	0	0
88	3/1/2023 10:55	0	0	0
89	3/1/2023 10:56	0	0	0
90	3/1/2023 10:57	0	0	0
91	3/1/2023 10:58	0	0	0
92	3/1/2023 10:59	0	0	0
93	3/1/2023 11:00	0	0	0
94	3/1/2023 11:01	0	0	0
95	3/1/2023 11:02	0	0	0
96	3/1/2023 11:03	0	0	0
97	3/1/2023 11:04	0	0	0
98	3/1/2023 11:05	0	0	0
99	3/1/2023 11:06	0	0	0

	100	3/1/2023 11:07	0	0	0
	101	3/1/2023 11:08	0	0	0
	102	3/1/2023 11:09	0	0	0
	103	3/1/2023 11:10	0	0	0
	104	3/1/2023 11:11	0	0	0
	105	3/1/2023 11:12	0	0	0
	106	3/1/2023 11:13	0	0	0
	107	3/1/2023 11:14	0	0	0
	108	3/1/2023 11:15	0	0	0
	109	3/1/2023 11:16	0	0	0
	110	3/1/2023 11:17	0	0	0
	111	3/1/2023 11:18	0	0	0
	112	3/1/2023 11:19	0	0	0
	113	3/1/2023 11:20	0	0	0
	114	3/1/2023 11:21	0	0	0
	115	3/1/2023 11:22	0	0	0
	116	3/1/2023 11:23	0	0	0
	117	3/1/2023 11:24	0	0	0
	118	3/1/2023 11:25	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
1	3/1/2023 9:28	0	---	
2	3/1/2023 9:29	0	---	
3	3/1/2023 9:30	0	---	
4	3/1/2023 9:31	0	---	
5	3/1/2023 9:32	0	---	
6	3/1/2023 9:33	0	---	
7	3/1/2023 9:34	0	---	
8	3/1/2023 9:35	0	---	
9	3/1/2023 9:36	0	---	
10	3/1/2023 9:37	0	---	
11	3/1/2023 9:38	0	---	
12	3/1/2023 9:39	0	---	
13	3/1/2023 9:40	0	---	
14	3/1/2023 9:41	0	---	
15	3/1/2023 9:42	0		0
16	3/1/2023 9:43	0		0
17	3/1/2023 9:44	0		0
18	3/1/2023 9:45	0		0
19	3/1/2023 9:46	0		0
20	3/1/2023 9:47	0		0

21	3/1/2023 9:48	0	0
22	3/1/2023 9:49	0	0
23	3/1/2023 9:50	0	0
24	3/1/2023 9:51	0	0
25	3/1/2023 9:52	0	0
26	3/1/2023 9:53	0	0
27	3/1/2023 9:54	0	0
28	3/1/2023 9:55	0	0
29	3/1/2023 9:56	0	0
30	3/1/2023 9:57	0	0
31	3/1/2023 9:58	0	0
32	3/1/2023 9:59	0	0
33	3/1/2023 10:00	0	0
34	3/1/2023 10:01	0	0
35	3/1/2023 10:02	0	0
36	3/1/2023 10:03	0	0
37	3/1/2023 10:04	0	0
38	3/1/2023 10:05	0	0
39	3/1/2023 10:06	0	0
40	3/1/2023 10:07	0	0
41	3/1/2023 10:08	0	0
42	3/1/2023 10:09	0	0
43	3/1/2023 10:10	0	0
44	3/1/2023 10:11	0	0
45	3/1/2023 10:12	0	0
46	3/1/2023 10:13	0	0
47	3/1/2023 10:14	0	0
48	3/1/2023 10:15	0	0
49	3/1/2023 10:16	0	0
50	3/1/2023 10:17	0	0
51	3/1/2023 10:18	0	0
52	3/1/2023 10:19	0	0
53	3/1/2023 10:20	0	0
54	3/1/2023 10:21	0	0
55	3/1/2023 10:22	0	0
56	3/1/2023 10:23	0	0
57	3/1/2023 10:24	0	0
58	3/1/2023 10:25	0	0
59	3/1/2023 10:26	0	0
60	3/1/2023 10:27	0	0
61	3/1/2023 10:28	0	0
62	3/1/2023 10:29	0	0
63	3/1/2023 10:30	0	0
64	3/1/2023 10:31	0	0
65	3/1/2023 10:32	0	0
66	3/1/2023 10:33	0	0
67	3/1/2023 10:34	0	0

68	3/1/2023 10:35	0	0
69	3/1/2023 10:36	0	0
70	3/1/2023 10:37	0	0
71	3/1/2023 10:38	0	0
72	3/1/2023 10:39	0	0
73	3/1/2023 10:40	0	0
74	3/1/2023 10:41	0	0
75	3/1/2023 10:42	0	0
76	3/1/2023 10:43	0	0
77	3/1/2023 10:44	0	0
78	3/1/2023 10:45	0	0
79	3/1/2023 10:46	0	0
80	3/1/2023 10:47	0	0
81	3/1/2023 10:48	0	0
82	3/1/2023 10:49	0	0
83	3/1/2023 10:50	0	0
84	3/1/2023 10:51	0	0
85	3/1/2023 10:52	0	0
86	3/1/2023 10:53	0	0
87	3/1/2023 10:54	0	0
88	3/1/2023 10:55	0	0
89	3/1/2023 10:56	0	0
90	3/1/2023 10:57	0	0
91	3/1/2023 10:58	0	0
92	3/1/2023 10:59	0	0
93	3/1/2023 11:00	0	0
94	3/1/2023 11:01	0	0
95	3/1/2023 11:02	0	0
96	3/1/2023 11:03	0	0
97	3/1/2023 11:04	0	0
98	3/1/2023 11:05	0	0
99	3/1/2023 11:06	0	0
100	3/1/2023 11:07	0	0
101	3/1/2023 11:08	0	0
102	3/1/2023 11:09	0	0
103	3/1/2023 11:10	0	0
104	3/1/2023 11:11	0	0
105	3/1/2023 11:12	0	0
106	3/1/2023 11:13	0	0
107	3/1/2023 11:14	0	0
108	3/1/2023 11:15	0	0
109	3/1/2023 11:16	0	0
110	3/1/2023 11:17	0	0
111	3/1/2023 11:18	0	0
112	3/1/2023 11:19	0	0
113	3/1/2023 11:20	0	0
114	3/1/2023 11:21	0	0

115	3/1/2023 11:22	0	0
116	3/1/2023 11:23	0	0
117	3/1/2023 11:24	0	0
118	3/1/2023 11:25	0	0

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23/03/02 09:17

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/2/2023 9:17
End	3/2/2023 11:52
Sample Period(s)	60
Number of Records	155

Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	0.1
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/2/2023 9:18	0	0.1	0

2	3/2/2023 9:19	0	0	0
3	3/2/2023 9:20	0	0	0
4	3/2/2023 9:21	0	0	0
5	3/2/2023 9:22	0	0	0
6	3/2/2023 9:23	0	0.2	0
7	3/2/2023 9:24	0	0.2	0
8	3/2/2023 9:25	0	0.1	0
9	3/2/2023 9:26	0	0.1	0
10	3/2/2023 9:27	0	0	0
11	3/2/2023 9:28	0	0	0
12	3/2/2023 9:29	0	0	0
13	3/2/2023 9:30	0	0	0
14	3/2/2023 9:31	0	0	0
15	3/2/2023 9:32	0	0	0
16	3/2/2023 9:33	0	0	0
17	3/2/2023 9:34	0	0	0
18	3/2/2023 9:35	0	0	0
19	3/2/2023 9:36	0	0	0
20	3/2/2023 9:37	0	0	0
21	3/2/2023 9:38	0	0	0
22	3/2/2023 9:39	0	0	0
23	3/2/2023 9:40	0	0	0
24	3/2/2023 9:41	0	0	0
25	3/2/2023 9:42	0	0	0
26	3/2/2023 9:43	0	0	0
27	3/2/2023 9:44	0	0	0
28	3/2/2023 9:45	0	0	0
29	3/2/2023 9:46	0	0	0
30	3/2/2023 9:47	0	0	0
31	3/2/2023 9:48	0	0	0
32	3/2/2023 9:49	0	0	0
33	3/2/2023 9:50	0	0	0
34	3/2/2023 9:51	0	0	0
35	3/2/2023 9:52	0	0	0
36	3/2/2023 9:53	0	0	0
37	3/2/2023 9:54	0	0	0
38	3/2/2023 9:55	0	0	0
39	3/2/2023 9:56	0	0	0
40	3/2/2023 9:57	0	0	0
41	3/2/2023 9:58	0	0	0
42	3/2/2023 9:59	0	0	0
43	3/2/2023 10:00	0	0	0
44	3/2/2023 10:01	0	0	0
45	3/2/2023 10:02	0	0	0
46	3/2/2023 10:03	0	0	0
47	3/2/2023 10:04	0	0	0
48	3/2/2023 10:05	0	0	0

49	3/2/2023 10:06	0	0	0
50	3/2/2023 10:07	0	0	0
51	3/2/2023 10:08	0	0	0
52	3/2/2023 10:09	0	0	0
53	3/2/2023 10:10	0	0	0
54	3/2/2023 10:11	0	0	0
55	3/2/2023 10:12	0	0	0
56	3/2/2023 10:13	0	0	0
57	3/2/2023 10:14	0	0	0
58	3/2/2023 10:15	0	0	0
59	3/2/2023 10:16	0	0	0
60	3/2/2023 10:17	0	0	0
61	3/2/2023 10:18	0	0	0
62	3/2/2023 10:19	0	0	0
63	3/2/2023 10:20	0	0	0
64	3/2/2023 10:21	0	0	0
65	3/2/2023 10:22	0	0	0
66	3/2/2023 10:23	0	0	0
67	3/2/2023 10:24	0	0	0
68	3/2/2023 10:25	0	0	0
69	3/2/2023 10:26	0	0	0
70	3/2/2023 10:27	0	0	0
71	3/2/2023 10:28	0	0	0
72	3/2/2023 10:29	0	0	0
73	3/2/2023 10:30	0	0	0
74	3/2/2023 10:31	0	0	0
75	3/2/2023 10:32	0	0	0
76	3/2/2023 10:33	0	0	0
77	3/2/2023 10:34	0	0	0
78	3/2/2023 10:35	0	0	0
79	3/2/2023 10:36	0	0	0
80	3/2/2023 10:37	0	0	0
81	3/2/2023 10:38	0	0	0
82	3/2/2023 10:39	0	0	0
83	3/2/2023 10:40	0	0	0
84	3/2/2023 10:41	0	0	0
85	3/2/2023 10:42	0	0	0
86	3/2/2023 10:43	0	0	0
87	3/2/2023 10:44	0	0	0
88	3/2/2023 10:45	0	0	0
89	3/2/2023 10:46	0	0.3	0
90	3/2/2023 10:47	0	0	0
91	3/2/2023 10:48	0	0	0
92	3/2/2023 10:49	0	0	0
93	3/2/2023 10:50	0	0	0
94	3/2/2023 10:51	0	0	0
95	3/2/2023 10:52	0	0	0

96	3/2/2023 10:53	0	0	0
97	3/2/2023 10:54	0	0	0
98	3/2/2023 10:55	0	0	0
99	3/2/2023 10:56	0	0.1	0.1
100	3/2/2023 10:57	0	0.2	0
101	3/2/2023 10:58	0	0	0
102	3/2/2023 10:59	0	0	0
103	3/2/2023 11:00	0	0	0
104	3/2/2023 11:01	0	0	0
105	3/2/2023 11:02	0	0	0
106	3/2/2023 11:03	0	0	0
107	3/2/2023 11:04	0	0	0
108	3/2/2023 11:05	0	0	0
109	3/2/2023 11:06	0	0	0
110	3/2/2023 11:07	0	0	0
111	3/2/2023 11:08	0	0	0
112	3/2/2023 11:09	0	0	0
113	3/2/2023 11:10	0	0	0
114	3/2/2023 11:11	0	0	0
115	3/2/2023 11:12	0	0	0
116	3/2/2023 11:13	0	0	0
117	3/2/2023 11:14	0	0	0
118	3/2/2023 11:15	0	0	0
119	3/2/2023 11:16	0	0	0
120	3/2/2023 11:17	0	0	0
121	3/2/2023 11:18	0	0	0
122	3/2/2023 11:19	0	0	0
123	3/2/2023 11:20	0	0.1	0
124	3/2/2023 11:21	0	0	0
125	3/2/2023 11:22	0	0	0
126	3/2/2023 11:23	0	0	0
127	3/2/2023 11:24	0	0	0
128	3/2/2023 11:25	0	0	0
129	3/2/2023 11:26	0	0	0
130	3/2/2023 11:27	0	0	0
131	3/2/2023 11:28	0	0	0
132	3/2/2023 11:29	0	0	0
133	3/2/2023 11:30	0	0	0
134	3/2/2023 11:31	0	0.1	0
135	3/2/2023 11:32	0	0	0
136	3/2/2023 11:33	0	0	0
137	3/2/2023 11:34	0	0.1	0
138	3/2/2023 11:35	0	0	0
139	3/2/2023 11:36	0	0	0
140	3/2/2023 11:37	0	0	0
141	3/2/2023 11:38	0	0.1	0.1
142	3/2/2023 11:39	0	0	0

	143	3/2/2023 11:40	0	0	0
	144	3/2/2023 11:41	0	0	0
	145	3/2/2023 11:42	0	0	0
	146	3/2/2023 11:43	0	0.1	0.1
	147	3/2/2023 11:44	0	0	0
	148	3/2/2023 11:45	0	0	0
	149	3/2/2023 11:46	0	0	0
	150	3/2/2023 11:47	0	0	0
	151	3/2/2023 11:48	0	0	0
	152	3/2/2023 11:49	0	0	0
	153	3/2/2023 11:50	0	0	0
	154	3/2/2023 11:51	0	0	0
	155	3/2/2023 11:52	0	0	0
Peak			0	0.3	0.1
Min			0	0	0
Average			0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/2/2023 9:18	0	---
2	3/2/2023 9:19	0	---
3	3/2/2023 9:20	0	---
4	3/2/2023 9:21	0	---
5	3/2/2023 9:22	0	---
6	3/2/2023 9:23	0	---
7	3/2/2023 9:24	0	---
8	3/2/2023 9:25	0	---
9	3/2/2023 9:26	0	---
10	3/2/2023 9:27	0	---
11	3/2/2023 9:28	0	---
12	3/2/2023 9:29	0	---
13	3/2/2023 9:30	0	---
14	3/2/2023 9:31	0	---
15	3/2/2023 9:32	0	0
16	3/2/2023 9:33	0	0
17	3/2/2023 9:34	0	0
18	3/2/2023 9:35	0	0
19	3/2/2023 9:36	0	0
20	3/2/2023 9:37	0	0
21	3/2/2023 9:38	0	0
22	3/2/2023 9:39	0	0
23	3/2/2023 9:40	0	0
24	3/2/2023 9:41	0	0
25	3/2/2023 9:42	0	0
26	3/2/2023 9:43	0	0

27	3/2/2023 9:44	0	0
28	3/2/2023 9:45	0	0
29	3/2/2023 9:46	0	0
30	3/2/2023 9:47	0	0
31	3/2/2023 9:48	0	0
32	3/2/2023 9:49	0	0
33	3/2/2023 9:50	0	0
34	3/2/2023 9:51	0	0
35	3/2/2023 9:52	0	0
36	3/2/2023 9:53	0	0
37	3/2/2023 9:54	0	0
38	3/2/2023 9:55	0	0
39	3/2/2023 9:56	0	0
40	3/2/2023 9:57	0	0
41	3/2/2023 9:58	0	0
42	3/2/2023 9:59	0	0
43	3/2/2023 10:00	0	0
44	3/2/2023 10:01	0	0
45	3/2/2023 10:02	0	0
46	3/2/2023 10:03	0	0
47	3/2/2023 10:04	0	0
48	3/2/2023 10:05	0	0
49	3/2/2023 10:06	0	0
50	3/2/2023 10:07	0	0
51	3/2/2023 10:08	0	0
52	3/2/2023 10:09	0	0
53	3/2/2023 10:10	0	0
54	3/2/2023 10:11	0	0
55	3/2/2023 10:12	0	0
56	3/2/2023 10:13	0	0
57	3/2/2023 10:14	0	0
58	3/2/2023 10:15	0	0
59	3/2/2023 10:16	0	0
60	3/2/2023 10:17	0	0
61	3/2/2023 10:18	0	0
62	3/2/2023 10:19	0	0
63	3/2/2023 10:20	0	0
64	3/2/2023 10:21	0	0
65	3/2/2023 10:22	0	0
66	3/2/2023 10:23	0	0
67	3/2/2023 10:24	0	0
68	3/2/2023 10:25	0	0
69	3/2/2023 10:26	0	0
70	3/2/2023 10:27	0	0
71	3/2/2023 10:28	0	0
72	3/2/2023 10:29	0	0
73	3/2/2023 10:30	0	0

74	3/2/2023 10:31	0	0
75	3/2/2023 10:32	0	0
76	3/2/2023 10:33	0	0
77	3/2/2023 10:34	0	0
78	3/2/2023 10:35	0	0
79	3/2/2023 10:36	0	0
80	3/2/2023 10:37	0	0
81	3/2/2023 10:38	0	0
82	3/2/2023 10:39	0	0
83	3/2/2023 10:40	0	0
84	3/2/2023 10:41	0	0
85	3/2/2023 10:42	0	0
86	3/2/2023 10:43	0	0
87	3/2/2023 10:44	0	0
88	3/2/2023 10:45	0	0
89	3/2/2023 10:46	0	0
90	3/2/2023 10:47	0	0
91	3/2/2023 10:48	0	0
92	3/2/2023 10:49	0	0
93	3/2/2023 10:50	0	0
94	3/2/2023 10:51	0	0
95	3/2/2023 10:52	0	0
96	3/2/2023 10:53	0	0
97	3/2/2023 10:54	0	0
98	3/2/2023 10:55	0	0
99	3/2/2023 10:56	0	0
100	3/2/2023 10:57	0	0
101	3/2/2023 10:58	0	0
102	3/2/2023 10:59	0	0
103	3/2/2023 11:00	0	0
104	3/2/2023 11:01	0	0
105	3/2/2023 11:02	0	0
106	3/2/2023 11:03	0	0
107	3/2/2023 11:04	0	0
108	3/2/2023 11:05	0	0
109	3/2/2023 11:06	0	0
110	3/2/2023 11:07	0	0
111	3/2/2023 11:08	0	0
112	3/2/2023 11:09	0	0
113	3/2/2023 11:10	0	0
114	3/2/2023 11:11	0	0
115	3/2/2023 11:12	0	0
116	3/2/2023 11:13	0	0
117	3/2/2023 11:14	0	0
118	3/2/2023 11:15	0	0
119	3/2/2023 11:16	0	0
120	3/2/2023 11:17	0	0

121	3/2/2023 11:18	0	0
122	3/2/2023 11:19	0	0
123	3/2/2023 11:20	0	0
124	3/2/2023 11:21	0	0
125	3/2/2023 11:22	0	0
126	3/2/2023 11:23	0	0
127	3/2/2023 11:24	0	0
128	3/2/2023 11:25	0	0
129	3/2/2023 11:26	0	0
130	3/2/2023 11:27	0	0
131	3/2/2023 11:28	0	0
132	3/2/2023 11:29	0	0
133	3/2/2023 11:30	0	0
134	3/2/2023 11:31	0	0
135	3/2/2023 11:32	0	0
136	3/2/2023 11:33	0	0
137	3/2/2023 11:34	0	0
138	3/2/2023 11:35	0	0
139	3/2/2023 11:36	0	0
140	3/2/2023 11:37	0	0
141	3/2/2023 11:38	0	0
142	3/2/2023 11:39	0	0
143	3/2/2023 11:40	0	0
144	3/2/2023 11:41	0	0
145	3/2/2023 11:42	0	0
146	3/2/2023 11:43	0	0
147	3/2/2023 11:44	0	0
148	3/2/2023 11:45	0	0
149	3/2/2023 11:46	0	0
150	3/2/2023 11:47	0	0
151	3/2/2023 11:48	0	0
152	3/2/2023 11:49	0	0
153	3/2/2023 11:50	0	0
154	3/2/2023 11:51	0	0
155	3/2/2023 11:52	0	0

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23/03/07 09:00

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No

Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/7/2023 9:00
End	3/7/2023 10:51
Sample Period(s)	60
Number of Records	110
Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	1.3
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/7/2023 9:01	0	0	0
2	3/7/2023 9:02	0	0	0
3	3/7/2023 9:03	0	0	0
4	3/7/2023 9:04	0	0	0
5	3/7/2023 9:05	0	0	0
6	3/7/2023 9:06	0	0.2	0
7	3/7/2023 9:07	0	0	0
8	3/7/2023 9:08	0	0	0
9	3/7/2023 9:09	0	0	0
10	3/7/2023 9:10	0	0	0
11	3/7/2023 9:11	0	0	0
12	3/7/2023 9:12	0	0.1	0
13	3/7/2023 9:13	0	0	0
14	3/7/2023 9:14	0	0	0
15	3/7/2023 9:15	0	0.1	0
16	3/7/2023 9:16	0	0	0
17	3/7/2023 9:17	0	0.1	0

18	3/7/2023 9:18	0	0	0
19	3/7/2023 9:19	0	0	0
20	3/7/2023 9:20	0	0.1	0
21	3/7/2023 9:21	0	0	0
22	3/7/2023 9:22	0	0	0
23	3/7/2023 9:23	0	0.1	0
24	3/7/2023 9:24	0	0	0
25	3/7/2023 9:25	0	0.1	0
26	3/7/2023 9:26	0	0.4	0.4
27	3/7/2023 9:27	0	0.4	0
28	3/7/2023 9:28	0	0	0
29	3/7/2023 9:29	0	0	0
30	3/7/2023 9:30	0	0.3	0
31	3/7/2023 9:31	0	0.1	0
32	3/7/2023 9:32	0	0.2	0
33	3/7/2023 9:33	0.1	0.7	0
34	3/7/2023 9:34	0.1	0.6	0
35	3/7/2023 9:35	0	0.4	0.3
36	3/7/2023 9:36	0.1	0.6	0
37	3/7/2023 9:37	0	0	0
38	3/7/2023 9:38	0	0	0
39	3/7/2023 9:39	0	0.3	0.1
40	3/7/2023 9:40	0.1	0.3	0
41	3/7/2023 9:41	0.2	0.4	0.2
42	3/7/2023 9:42	0.2	0.6	0
43	3/7/2023 9:43	0	0	0
44	3/7/2023 9:44	0	0.1	0
45	3/7/2023 9:45	0	0.1	0
46	3/7/2023 9:46	0.1	1.1	0
47	3/7/2023 9:47	0	0.5	0
48	3/7/2023 9:48	0	0	0
49	3/7/2023 9:49	0	0	0
50	3/7/2023 9:50	0.1	0.4	0
51	3/7/2023 9:51	0	0.4	0
52	3/7/2023 9:52	0	0	0
53	3/7/2023 9:53	0	0	0
54	3/7/2023 9:54	0	0.1	0
55	3/7/2023 9:55	0.2	1.3	1.3
56	3/7/2023 9:56	0.2	1.2	0.2
57	3/7/2023 9:57	0	0.1	0
58	3/7/2023 9:58	0.3	1.1	0
59	3/7/2023 9:59	0	0.1	0
60	3/7/2023 10:00	0	0	0
61	3/7/2023 10:01	0	0	0
62	3/7/2023 10:02	0	0	0
63	3/7/2023 10:03	0	0	0
64	3/7/2023 10:04	0	0	0

65	3/7/2023 10:05	0	0	0
66	3/7/2023 10:06	0	0	0
67	3/7/2023 10:07	0	0	0
68	3/7/2023 10:08	0	0	0
69	3/7/2023 10:09	0	0	0
70	3/7/2023 10:10	0	0	0
71	3/7/2023 10:11	0	0	0
72	3/7/2023 10:12	0	0	0
73	3/7/2023 10:13	0	0	0
74	3/7/2023 10:14	0	0	0
75	3/7/2023 10:15	0	0	0
76	3/7/2023 10:16	0	0	0
77	3/7/2023 10:17	0	0	0
78	3/7/2023 10:18	0	0	0
79	3/7/2023 10:19	0	0	0
80	3/7/2023 10:20	0	0	0
81	3/7/2023 10:21	0	0	0
82	3/7/2023 10:22	0	0	0
83	3/7/2023 10:23	0	0	0
84	3/7/2023 10:24	0.1	0.5	0
85	3/7/2023 10:25	0	0.1	0
86	3/7/2023 10:26	0	0.1	0.1
87	3/7/2023 10:27	0.1	0.6	0
88	3/7/2023 10:28	0	0	0
89	3/7/2023 10:29	0	0.1	0
90	3/7/2023 10:30	0	0.1	0
91	3/7/2023 10:31	0	0	0
92	3/7/2023 10:32	0	0	0
93	3/7/2023 10:33	0	0	0
94	3/7/2023 10:34	0	0.1	0
95	3/7/2023 10:35	0	0	0
96	3/7/2023 10:36	0	0.2	0
97	3/7/2023 10:37	0	0	0
98	3/7/2023 10:38	0	0	0
99	3/7/2023 10:39	0	0	0
100	3/7/2023 10:40	0	0	0
101	3/7/2023 10:41	0	0	0
102	3/7/2023 10:42	0	0.2	0.2
103	3/7/2023 10:43	0	0.1	0
104	3/7/2023 10:44	0	0	0
105	3/7/2023 10:45	0	0.3	0
106	3/7/2023 10:46	0	0.1	0
107	3/7/2023 10:47	0.1	0.5	0
108	3/7/2023 10:48	0	0.4	0.1
109	3/7/2023 10:49	0	0.1	0
110	3/7/2023 10:50	0.1	0.3	0
Peak		0.3	1.3	1.3

Min	0	0	0
Average	0	0.1	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/7/2023 9:01	0	---
2	3/7/2023 9:02	0	---
3	3/7/2023 9:03	0	---
4	3/7/2023 9:04	0	---
5	3/7/2023 9:05	0	---
6	3/7/2023 9:06	0	---
7	3/7/2023 9:07	0	---
8	3/7/2023 9:08	0	---
9	3/7/2023 9:09	0	---
10	3/7/2023 9:10	0	---
11	3/7/2023 9:11	0	---
12	3/7/2023 9:12	0	---
13	3/7/2023 9:13	0	---
14	3/7/2023 9:14	0	---
15	3/7/2023 9:15	0	0
16	3/7/2023 9:16	0	0
17	3/7/2023 9:17	0	0
18	3/7/2023 9:18	0	0
19	3/7/2023 9:19	0	0
20	3/7/2023 9:20	0	0
21	3/7/2023 9:21	0	0
22	3/7/2023 9:22	0	0
23	3/7/2023 9:23	0	0
24	3/7/2023 9:24	0	0
25	3/7/2023 9:25	0	0
26	3/7/2023 9:26	0	0
27	3/7/2023 9:27	0	0
28	3/7/2023 9:28	0	0
29	3/7/2023 9:29	0	0
30	3/7/2023 9:30	0	0
31	3/7/2023 9:31	0	0
32	3/7/2023 9:32	0	0
33	3/7/2023 9:33	0	0
34	3/7/2023 9:34	0	0
35	3/7/2023 9:35	0	0
36	3/7/2023 9:36	0	0
37	3/7/2023 9:37	0	0
38	3/7/2023 9:38	0	0
39	3/7/2023 9:39	0	0.1
40	3/7/2023 9:40	0	0.1

41	3/7/2023 9:41	0	0.1
42	3/7/2023 9:42	0	0
43	3/7/2023 9:43	0	0
44	3/7/2023 9:44	0	0
45	3/7/2023 9:45	0	0
46	3/7/2023 9:46	0	0
47	3/7/2023 9:47	0	0
48	3/7/2023 9:48	0	0
49	3/7/2023 9:49	0	0
50	3/7/2023 9:50	0	0
51	3/7/2023 9:51	0	0
52	3/7/2023 9:52	0	0
53	3/7/2023 9:53	0	0
54	3/7/2023 9:54	0	0
55	3/7/2023 9:55	0	0.1
56	3/7/2023 9:56	0	0.1
57	3/7/2023 9:57	0	0.1
58	3/7/2023 9:58	0	0.1
59	3/7/2023 9:59	0	0.1
60	3/7/2023 10:00	0	0.1
61	3/7/2023 10:01	0	0.1
62	3/7/2023 10:02	0	0.1
63	3/7/2023 10:03	0	0.1
64	3/7/2023 10:04	0	0.1
65	3/7/2023 10:05	0	0.1
66	3/7/2023 10:06	0	0.1
67	3/7/2023 10:07	0	0.1
68	3/7/2023 10:08	0	0.1
69	3/7/2023 10:09	0	0.1
70	3/7/2023 10:10	0	0.1
71	3/7/2023 10:11	0	0
72	3/7/2023 10:12	0	0
73	3/7/2023 10:13	0	0
74	3/7/2023 10:14	0	0
75	3/7/2023 10:15	0	0
76	3/7/2023 10:16	0	0
77	3/7/2023 10:17	0	0
78	3/7/2023 10:18	0	0
79	3/7/2023 10:19	0	0
80	3/7/2023 10:20	0	0
81	3/7/2023 10:21	0	0
82	3/7/2023 10:22	0	0
83	3/7/2023 10:23	0	0
84	3/7/2023 10:24	0	0
85	3/7/2023 10:25	0	0
86	3/7/2023 10:26	0	0
87	3/7/2023 10:27	0	0

88	3/7/2023 10:28	0	0
89	3/7/2023 10:29	0	0
90	3/7/2023 10:30	0	0
91	3/7/2023 10:31	0	0
92	3/7/2023 10:32	0	0
93	3/7/2023 10:33	0	0
94	3/7/2023 10:34	0	0
95	3/7/2023 10:35	0	0
96	3/7/2023 10:36	0	0
97	3/7/2023 10:37	0	0
98	3/7/2023 10:38	0	0
99	3/7/2023 10:39	0	0
100	3/7/2023 10:40	0	0
101	3/7/2023 10:41	0	0
102	3/7/2023 10:42	0	0
103	3/7/2023 10:43	0	0
104	3/7/2023 10:44	0	0
105	3/7/2023 10:45	0	0
106	3/7/2023 10:46	0	0
107	3/7/2023 10:47	0	0
108	3/7/2023 10:48	0	0
109	3/7/2023 10:49	0	0
110	3/7/2023 10:50	0	0

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23/03/07 11:08

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/7/2023 11:08
End	3/7/2023 12:26
Sample Period(s)	60
Number of Records	77

Sensor	PID(ppm)
Sensor SN	S023030093C2

Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	0.3
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/7/2023 11:09	0	0	0
2	3/7/2023 11:10	0	0	0
3	3/7/2023 11:11	0	0	0
4	3/7/2023 11:12	0	0	0
5	3/7/2023 11:13	0	0	0
6	3/7/2023 11:14	0	0	0
7	3/7/2023 11:15	0	0	0
8	3/7/2023 11:16	0	0	0
9	3/7/2023 11:17	0	0	0
10	3/7/2023 11:18	0	0	0
11	3/7/2023 11:19	0	0	0
12	3/7/2023 11:20	0	0	0
13	3/7/2023 11:21	0	0	0
14	3/7/2023 11:22	0	0	0
15	3/7/2023 11:23	0	0	0
16	3/7/2023 11:24	0	0	0
17	3/7/2023 11:25	0	0	0
18	3/7/2023 11:26	0	0	0
19	3/7/2023 11:27	0	0	0
20	3/7/2023 11:28	0	0	0
21	3/7/2023 11:29	0	0	0
22	3/7/2023 11:30	0	0	0
23	3/7/2023 11:31	0	0	0
24	3/7/2023 11:32	0	0	0
25	3/7/2023 11:33	0	0	0
26	3/7/2023 11:34	0	0	0
27	3/7/2023 11:35	0	0	0
28	3/7/2023 11:36	0	0	0
29	3/7/2023 11:37	0	0	0

30	3/7/2023 11:38	0.1	0.7	0.3
31	3/7/2023 11:39	0	0.2	0
32	3/7/2023 11:40	0	0	0
33	3/7/2023 11:41	0	0	0
34	3/7/2023 11:42	0	0	0
35	3/7/2023 11:43	0	0	0
36	3/7/2023 11:44	0	0	0
37	3/7/2023 11:45	0	0	0
38	3/7/2023 11:46	0	0	0
39	3/7/2023 11:47	0	0	0
40	3/7/2023 11:48	0	0	0
41	3/7/2023 11:49	0	0	0
42	3/7/2023 11:50	0	0	0
43	3/7/2023 11:51	0	0	0
44	3/7/2023 11:52	0	0	0
45	3/7/2023 11:53	0	0	0
46	3/7/2023 11:54	0	0	0
47	3/7/2023 11:55	0	0	0
48	3/7/2023 11:56	0	0	0
49	3/7/2023 11:57	0	0	0
50	3/7/2023 11:58	0	0	0
51	3/7/2023 11:59	0	0	0
52	3/7/2023 12:00	0	0	0
53	3/7/2023 12:01	0	0	0
54	3/7/2023 12:02	0	0	0
55	3/7/2023 12:03	0	0	0
56	3/7/2023 12:04	0	0	0
57	3/7/2023 12:05	0	0	0
58	3/7/2023 12:06	0	0	0
59	3/7/2023 12:07	0	0	0
60	3/7/2023 12:08	0	0	0
61	3/7/2023 12:09	0	0	0
62	3/7/2023 12:10	0	0	0
63	3/7/2023 12:11	0	0	0
64	3/7/2023 12:12	0	0	0
65	3/7/2023 12:13	0	0	0
66	3/7/2023 12:14	0	0	0
67	3/7/2023 12:15	0	0	0
68	3/7/2023 12:16	0	0.3	0
69	3/7/2023 12:17	0	0	0
70	3/7/2023 12:18	0	0	0
71	3/7/2023 12:19	0	0	0
72	3/7/2023 12:20	0	0	0
73	3/7/2023 12:21	0	0	0
74	3/7/2023 12:22	0	0.1	0.1
75	3/7/2023 12:23	0	0	0
76	3/7/2023 12:24	0	0	0

	77	3/7/2023 12:25	0	0	0
Peak			0.1	0.7	0.3
Min			0	0	0
Average			0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
1	3/7/2023 11:09	0	---	
2	3/7/2023 11:10	0	---	
3	3/7/2023 11:11	0	---	
4	3/7/2023 11:12	0	---	
5	3/7/2023 11:13	0	---	
6	3/7/2023 11:14	0	---	
7	3/7/2023 11:15	0	---	
8	3/7/2023 11:16	0	---	
9	3/7/2023 11:17	0	---	
10	3/7/2023 11:18	0	---	
11	3/7/2023 11:19	0	---	
12	3/7/2023 11:20	0	---	
13	3/7/2023 11:21	0	---	
14	3/7/2023 11:22	0	---	
15	3/7/2023 11:23	0	0	
16	3/7/2023 11:24	0	0	
17	3/7/2023 11:25	0	0	
18	3/7/2023 11:26	0	0	
19	3/7/2023 11:27	0	0	
20	3/7/2023 11:28	0	0	
21	3/7/2023 11:29	0	0	
22	3/7/2023 11:30	0	0	
23	3/7/2023 11:31	0	0	
24	3/7/2023 11:32	0	0	
25	3/7/2023 11:33	0	0	
26	3/7/2023 11:34	0	0	
27	3/7/2023 11:35	0	0	
28	3/7/2023 11:36	0	0	
29	3/7/2023 11:37	0	0	
30	3/7/2023 11:38	0	0	
31	3/7/2023 11:39	0	0	
32	3/7/2023 11:40	0	0	
33	3/7/2023 11:41	0	0	
34	3/7/2023 11:42	0	0	
35	3/7/2023 11:43	0	0	
36	3/7/2023 11:44	0	0	
37	3/7/2023 11:45	0	0	
38	3/7/2023 11:46	0	0	

39	3/7/2023 11:47	0	0
40	3/7/2023 11:48	0	0
41	3/7/2023 11:49	0	0
42	3/7/2023 11:50	0	0
43	3/7/2023 11:51	0	0
44	3/7/2023 11:52	0	0
45	3/7/2023 11:53	0	0
46	3/7/2023 11:54	0	0
47	3/7/2023 11:55	0	0
48	3/7/2023 11:56	0	0
49	3/7/2023 11:57	0	0
50	3/7/2023 11:58	0	0
51	3/7/2023 11:59	0	0
52	3/7/2023 12:00	0	0
53	3/7/2023 12:01	0	0
54	3/7/2023 12:02	0	0
55	3/7/2023 12:03	0	0
56	3/7/2023 12:04	0	0
57	3/7/2023 12:05	0	0
58	3/7/2023 12:06	0	0
59	3/7/2023 12:07	0	0
60	3/7/2023 12:08	0	0
61	3/7/2023 12:09	0	0
62	3/7/2023 12:10	0	0
63	3/7/2023 12:11	0	0
64	3/7/2023 12:12	0	0
65	3/7/2023 12:13	0	0
66	3/7/2023 12:14	0	0
67	3/7/2023 12:15	0	0
68	3/7/2023 12:16	0	0
69	3/7/2023 12:17	0	0
70	3/7/2023 12:18	0	0
71	3/7/2023 12:19	0	0
72	3/7/2023 12:20	0	0
73	3/7/2023 12:21	0	0
74	3/7/2023 12:22	0	0
75	3/7/2023 12:23	0	0
76	3/7/2023 12:24	0	0
77	3/7/2023 12:25	0	0

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23/03/07 13:18

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/7/2023 13:18
End	3/7/2023 16:02
Sample Period(s)	60
Number of Records	164

Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/7/2023 13:19	0	0	0
2	3/7/2023 13:20	0	0	0
3	3/7/2023 13:21	0	0	0
4	3/7/2023 13:22	0	0	0
5	3/7/2023 13:23	0	0	0
6	3/7/2023 13:24	0	0	0
7	3/7/2023 13:25	0	0	0
8	3/7/2023 13:26	0	0	0
9	3/7/2023 13:27	0	0	0
10	3/7/2023 13:28	0	0	0
11	3/7/2023 13:29	0	0	0
12	3/7/2023 13:30	0	0	0
13	3/7/2023 13:31	0	0	0

14	3/7/2023 13:32	0	0	0
15	3/7/2023 13:33	0	0	0
16	3/7/2023 13:34	0	0	0
17	3/7/2023 13:35	0	0	0
18	3/7/2023 13:36	0	0	0
19	3/7/2023 13:37	0	0	0
20	3/7/2023 13:38	0	0	0
21	3/7/2023 13:39	0	0	0
22	3/7/2023 13:40	0	0	0
23	3/7/2023 13:41	0	0	0
24	3/7/2023 13:42	0	0	0
25	3/7/2023 13:43	0	0	0
26	3/7/2023 13:44	0	0	0
27	3/7/2023 13:45	0	0	0
28	3/7/2023 13:46	0	0	0
29	3/7/2023 13:47	0	0	0
30	3/7/2023 13:48	0	0	0
31	3/7/2023 13:49	0	0	0
32	3/7/2023 13:50	0	0	0
33	3/7/2023 13:51	0	0	0
34	3/7/2023 13:52	0	0	0
35	3/7/2023 13:53	0	0	0
36	3/7/2023 13:54	0	0	0
37	3/7/2023 13:55	0	0	0
38	3/7/2023 13:56	0	0	0
39	3/7/2023 13:57	0	0	0
40	3/7/2023 13:58	0	0	0
41	3/7/2023 13:59	0	0	0
42	3/7/2023 14:00	0	0	0
43	3/7/2023 14:01	0	0	0
44	3/7/2023 14:02	0	0	0
45	3/7/2023 14:03	0	0	0
46	3/7/2023 14:04	0	0	0
47	3/7/2023 14:05	0	0	0
48	3/7/2023 14:06	0	0	0
49	3/7/2023 14:07	0	0	0
50	3/7/2023 14:08	0	0	0
51	3/7/2023 14:09	0	0	0
52	3/7/2023 14:10	0	0	0
53	3/7/2023 14:11	0	0	0
54	3/7/2023 14:12	0	0	0
55	3/7/2023 14:13	0	0	0
56	3/7/2023 14:14	0	0	0
57	3/7/2023 14:15	0	0	0
58	3/7/2023 14:16	0	0	0
59	3/7/2023 14:17	0	0	0
60	3/7/2023 14:18	0	0	0

61	3/7/2023 14:19	0	0	0
62	3/7/2023 14:20	0	0	0
63	3/7/2023 14:21	0	0	0
64	3/7/2023 14:22	0	0	0
65	3/7/2023 14:23	0	0	0
66	3/7/2023 14:24	0	0	0
67	3/7/2023 14:25	0	0	0
68	3/7/2023 14:26	0	0	0
69	3/7/2023 14:27	0	0	0
70	3/7/2023 14:28	0	0	0
71	3/7/2023 14:29	0	0	0
72	3/7/2023 14:30	0	0	0
73	3/7/2023 14:31	0	0	0
74	3/7/2023 14:32	0	0	0
75	3/7/2023 14:33	0	0	0
76	3/7/2023 14:34	0	0	0
77	3/7/2023 14:35	0	0	0
78	3/7/2023 14:36	0	0	0
79	3/7/2023 14:37	0	0	0
80	3/7/2023 14:38	0	0	0
81	3/7/2023 14:39	0	0	0
82	3/7/2023 14:40	0	0	0
83	3/7/2023 14:41	0	0	0
84	3/7/2023 14:42	0	0	0
85	3/7/2023 14:43	0	0	0
86	3/7/2023 14:44	0	0	0
87	3/7/2023 14:45	0	0	0
88	3/7/2023 14:46	0	0	0
89	3/7/2023 14:47	0	0	0
90	3/7/2023 14:48	0	0	0
91	3/7/2023 14:49	0	0	0
92	3/7/2023 14:50	0	0	0
93	3/7/2023 14:51	0	0	0
94	3/7/2023 14:52	0	0	0
95	3/7/2023 14:53	0	0	0
96	3/7/2023 14:54	0	0	0
97	3/7/2023 14:55	0	0	0
98	3/7/2023 14:56	0	0	0
99	3/7/2023 14:57	0	0	0
100	3/7/2023 14:58	0	0	0
101	3/7/2023 14:59	0	0	0
102	3/7/2023 15:00	0	0	0
103	3/7/2023 15:01	0	0	0
104	3/7/2023 15:02	0	0	0
105	3/7/2023 15:03	0	0	0
106	3/7/2023 15:04	0	0	0
107	3/7/2023 15:05	0	0	0

108	3/7/2023 15:06	0	0	0
109	3/7/2023 15:07	0	0	0
110	3/7/2023 15:08	0	0	0
111	3/7/2023 15:09	0	0	0
112	3/7/2023 15:10	0	0	0
113	3/7/2023 15:11	0	0	0
114	3/7/2023 15:12	0	0	0
115	3/7/2023 15:13	0	0	0
116	3/7/2023 15:14	0	0	0
117	3/7/2023 15:15	0	0	0
118	3/7/2023 15:16	0	0	0
119	3/7/2023 15:17	0	0	0
120	3/7/2023 15:18	0	0	0
121	3/7/2023 15:19	0	0	0
122	3/7/2023 15:20	0	0	0
123	3/7/2023 15:21	0	0	0
124	3/7/2023 15:22	0	0	0
125	3/7/2023 15:23	0	0	0
126	3/7/2023 15:24	0	0	0
127	3/7/2023 15:25	0	0	0
128	3/7/2023 15:26	0	0	0
129	3/7/2023 15:27	0	0	0
130	3/7/2023 15:28	0	0	0
131	3/7/2023 15:29	0	0	0
132	3/7/2023 15:30	0	0	0
133	3/7/2023 15:31	0	0	0
134	3/7/2023 15:32	0	0	0
135	3/7/2023 15:33	0	0	0
136	3/7/2023 15:34	0	0	0
137	3/7/2023 15:35	0	0	0
138	3/7/2023 15:36	0	0	0
139	3/7/2023 15:37	0	0	0
140	3/7/2023 15:38	0	0	0
141	3/7/2023 15:39	0	0	0
142	3/7/2023 15:40	0	0	0
143	3/7/2023 15:41	0	0	0
144	3/7/2023 15:42	0	0	0
145	3/7/2023 15:43	0	0	0
146	3/7/2023 15:44	0	0	0
147	3/7/2023 15:45	0	0	0
148	3/7/2023 15:46	0	0	0
149	3/7/2023 15:47	0	0	0
150	3/7/2023 15:48	0	0	0
151	3/7/2023 15:49	0	0	0
152	3/7/2023 15:50	0	0	0
153	3/7/2023 15:51	0	0	0
154	3/7/2023 15:52	0	0	0

	155	3/7/2023 15:53	0	0	0
	156	3/7/2023 15:54	0	0	0
	157	3/7/2023 15:55	0	0	0
	158	3/7/2023 15:56	0	0	0
	159	3/7/2023 15:57	0	0	0
	160	3/7/2023 15:58	0	0	0
	161	3/7/2023 15:59	0	0	0
	162	3/7/2023 16:00	0	0	0
	163	3/7/2023 16:01	0	0	0
	164	3/7/2023 16:02	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
1	3/7/2023 13:19	0	---	
2	3/7/2023 13:20	0	---	
3	3/7/2023 13:21	0	---	
4	3/7/2023 13:22	0	---	
5	3/7/2023 13:23	0	---	
6	3/7/2023 13:24	0	---	
7	3/7/2023 13:25	0	---	
8	3/7/2023 13:26	0	---	
9	3/7/2023 13:27	0	---	
10	3/7/2023 13:28	0	---	
11	3/7/2023 13:29	0	---	
12	3/7/2023 13:30	0	---	
13	3/7/2023 13:31	0	---	
14	3/7/2023 13:32	0	---	
15	3/7/2023 13:33	0		0
16	3/7/2023 13:34	0		0
17	3/7/2023 13:35	0		0
18	3/7/2023 13:36	0		0
19	3/7/2023 13:37	0		0
20	3/7/2023 13:38	0		0
21	3/7/2023 13:39	0		0
22	3/7/2023 13:40	0		0
23	3/7/2023 13:41	0		0
24	3/7/2023 13:42	0		0
25	3/7/2023 13:43	0		0
26	3/7/2023 13:44	0		0
27	3/7/2023 13:45	0		0
28	3/7/2023 13:46	0		0
29	3/7/2023 13:47	0		0

30	3/7/2023 13:48	0	0
31	3/7/2023 13:49	0	0
32	3/7/2023 13:50	0	0
33	3/7/2023 13:51	0	0
34	3/7/2023 13:52	0	0
35	3/7/2023 13:53	0	0
36	3/7/2023 13:54	0	0
37	3/7/2023 13:55	0	0
38	3/7/2023 13:56	0	0
39	3/7/2023 13:57	0	0
40	3/7/2023 13:58	0	0
41	3/7/2023 13:59	0	0
42	3/7/2023 14:00	0	0
43	3/7/2023 14:01	0	0
44	3/7/2023 14:02	0	0
45	3/7/2023 14:03	0	0
46	3/7/2023 14:04	0	0
47	3/7/2023 14:05	0	0
48	3/7/2023 14:06	0	0
49	3/7/2023 14:07	0	0
50	3/7/2023 14:08	0	0
51	3/7/2023 14:09	0	0
52	3/7/2023 14:10	0	0
53	3/7/2023 14:11	0	0
54	3/7/2023 14:12	0	0
55	3/7/2023 14:13	0	0
56	3/7/2023 14:14	0	0
57	3/7/2023 14:15	0	0
58	3/7/2023 14:16	0	0
59	3/7/2023 14:17	0	0
60	3/7/2023 14:18	0	0
61	3/7/2023 14:19	0	0
62	3/7/2023 14:20	0	0
63	3/7/2023 14:21	0	0
64	3/7/2023 14:22	0	0
65	3/7/2023 14:23	0	0
66	3/7/2023 14:24	0	0
67	3/7/2023 14:25	0	0
68	3/7/2023 14:26	0	0
69	3/7/2023 14:27	0	0
70	3/7/2023 14:28	0	0
71	3/7/2023 14:29	0	0
72	3/7/2023 14:30	0	0
73	3/7/2023 14:31	0	0
74	3/7/2023 14:32	0	0
75	3/7/2023 14:33	0	0
76	3/7/2023 14:34	0	0

77	3/7/2023 14:35	0	0
78	3/7/2023 14:36	0	0
79	3/7/2023 14:37	0	0
80	3/7/2023 14:38	0	0
81	3/7/2023 14:39	0	0
82	3/7/2023 14:40	0	0
83	3/7/2023 14:41	0	0
84	3/7/2023 14:42	0	0
85	3/7/2023 14:43	0	0
86	3/7/2023 14:44	0	0
87	3/7/2023 14:45	0	0
88	3/7/2023 14:46	0	0
89	3/7/2023 14:47	0	0
90	3/7/2023 14:48	0	0
91	3/7/2023 14:49	0	0
92	3/7/2023 14:50	0	0
93	3/7/2023 14:51	0	0
94	3/7/2023 14:52	0	0
95	3/7/2023 14:53	0	0
96	3/7/2023 14:54	0	0
97	3/7/2023 14:55	0	0
98	3/7/2023 14:56	0	0
99	3/7/2023 14:57	0	0
100	3/7/2023 14:58	0	0
101	3/7/2023 14:59	0	0
102	3/7/2023 15:00	0	0
103	3/7/2023 15:01	0	0
104	3/7/2023 15:02	0	0
105	3/7/2023 15:03	0	0
106	3/7/2023 15:04	0	0
107	3/7/2023 15:05	0	0
108	3/7/2023 15:06	0	0
109	3/7/2023 15:07	0	0
110	3/7/2023 15:08	0	0
111	3/7/2023 15:09	0	0
112	3/7/2023 15:10	0	0
113	3/7/2023 15:11	0	0
114	3/7/2023 15:12	0	0
115	3/7/2023 15:13	0	0
116	3/7/2023 15:14	0	0
117	3/7/2023 15:15	0	0
118	3/7/2023 15:16	0	0
119	3/7/2023 15:17	0	0
120	3/7/2023 15:18	0	0
121	3/7/2023 15:19	0	0
122	3/7/2023 15:20	0	0
123	3/7/2023 15:21	0	0

124	3/7/2023 15:22	0	0
125	3/7/2023 15:23	0	0
126	3/7/2023 15:24	0	0
127	3/7/2023 15:25	0	0
128	3/7/2023 15:26	0	0
129	3/7/2023 15:27	0	0
130	3/7/2023 15:28	0	0
131	3/7/2023 15:29	0	0
132	3/7/2023 15:30	0	0
133	3/7/2023 15:31	0	0
134	3/7/2023 15:32	0	0
135	3/7/2023 15:33	0	0
136	3/7/2023 15:34	0	0
137	3/7/2023 15:35	0	0
138	3/7/2023 15:36	0	0
139	3/7/2023 15:37	0	0
140	3/7/2023 15:38	0	0
141	3/7/2023 15:39	0	0
142	3/7/2023 15:40	0	0
143	3/7/2023 15:41	0	0
144	3/7/2023 15:42	0	0
145	3/7/2023 15:43	0	0
146	3/7/2023 15:44	0	0
147	3/7/2023 15:45	0	0
148	3/7/2023 15:46	0	0
149	3/7/2023 15:47	0	0
150	3/7/2023 15:48	0	0
151	3/7/2023 15:49	0	0
152	3/7/2023 15:50	0	0
153	3/7/2023 15:51	0	0
154	3/7/2023 15:52	0	0
155	3/7/2023 15:53	0	0
156	3/7/2023 15:54	0	0
157	3/7/2023 15:55	0	0
158	3/7/2023 15:56	0	0
159	3/7/2023 15:57	0	0
160	3/7/2023 15:58	0	0
161	3/7/2023 15:59	0	0
162	3/7/2023 16:00	0	0
163	3/7/2023 16:01	0	0
164	3/7/2023 16:02	0	0

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23/03/08 09:06

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN	592-913125
Unit Firmware Ver	V2.22
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/8/2023 9:06
End	3/8/2023 10:40
Sample Period(s)	60
Number of Records	94
Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	0.2
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/8/2023 9:07	0	0	0
2	3/8/2023 9:08	0	0	0
3	3/8/2023 9:09	0	0	0
4	3/8/2023 9:10	0	0	0
5	3/8/2023 9:11	0	0	0
6	3/8/2023 9:12	0	0	0
7	3/8/2023 9:13	0	0	0
8	3/8/2023 9:14	0	0	0
9	3/8/2023 9:15	0.1	0.5	0
10	3/8/2023 9:16	0	0	0
11	3/8/2023 9:17	0	0.1	0

12	3/8/2023 9:18	0	0.1	0
13	3/8/2023 9:19	0	0	0
14	3/8/2023 9:20	0	0	0
15	3/8/2023 9:21	0	0.1	0
16	3/8/2023 9:22	0	0.2	0
17	3/8/2023 9:23	0	0.1	0
18	3/8/2023 9:24	0	0.1	0
19	3/8/2023 9:25	0	0.1	0
20	3/8/2023 9:26	0	0	0
21	3/8/2023 9:27	0	0	0
22	3/8/2023 9:28	0	0	0
23	3/8/2023 9:29	0	0.1	0
24	3/8/2023 9:30	0	0	0
25	3/8/2023 9:31	0	0.1	0
26	3/8/2023 9:32	0	0	0
27	3/8/2023 9:33	0	0	0
28	3/8/2023 9:34	0	0	0
29	3/8/2023 9:35	0	0.1	0.1
30	3/8/2023 9:36	0	0	0
31	3/8/2023 9:37	0	0	0
32	3/8/2023 9:38	0	0	0
33	3/8/2023 9:39	0.1	0.2	0.2
34	3/8/2023 9:40	0	0.2	0.1
35	3/8/2023 9:41	0	0.2	0
36	3/8/2023 9:42	0	0	0
37	3/8/2023 9:43	0	0	0
38	3/8/2023 9:44	0	0.1	0
39	3/8/2023 9:45	0	0	0
40	3/8/2023 9:46	0	0.1	0
41	3/8/2023 9:47	0	0	0
42	3/8/2023 9:48	0	0	0
43	3/8/2023 9:49	0	0	0
44	3/8/2023 9:50	0	0.1	0
45	3/8/2023 9:51	0	0	0
46	3/8/2023 9:52	0	0	0
47	3/8/2023 9:53	0	0	0
48	3/8/2023 9:54	0	0	0
49	3/8/2023 9:55	0	0	0
50	3/8/2023 9:56	0	0	0
51	3/8/2023 9:57	0	0.1	0
52	3/8/2023 9:58	0	0	0
53	3/8/2023 9:59	0	0.1	0
54	3/8/2023 10:00	0	0	0
55	3/8/2023 10:01	0	0	0
56	3/8/2023 10:02	0	0	0
57	3/8/2023 10:03	0	0.1	0
58	3/8/2023 10:04	0	0	0

59	3/8/2023 10:05	0	0	0
60	3/8/2023 10:06	0	0	0
61	3/8/2023 10:07	0	0	0
62	3/8/2023 10:08	0	0	0
63	3/8/2023 10:09	0	0	0
64	3/8/2023 10:10	0	0	0
65	3/8/2023 10:11	0	0	0
66	3/8/2023 10:12	0	0	0
67	3/8/2023 10:13	0	0	0
68	3/8/2023 10:14	0	0	0
69	3/8/2023 10:15	0	0	0
70	3/8/2023 10:16	0	0	0
71	3/8/2023 10:17	0	0	0
72	3/8/2023 10:18	0	0	0
73	3/8/2023 10:19	0	0	0
74	3/8/2023 10:20	0	0	0
75	3/8/2023 10:21	0	0	0
76	3/8/2023 10:22	0	0	0
77	3/8/2023 10:23	0	0	0
78	3/8/2023 10:24	0	0	0
79	3/8/2023 10:25	0	0	0
80	3/8/2023 10:26	0	0	0
81	3/8/2023 10:27	0	0	0
82	3/8/2023 10:28	0	0	0
83	3/8/2023 10:29	0	0	0
84	3/8/2023 10:30	0	0	0
85	3/8/2023 10:31	0	0	0
86	3/8/2023 10:32	0	0	0
87	3/8/2023 10:33	0	0	0
88	3/8/2023 10:34	0	0	0
89	3/8/2023 10:35	0	0	0
90	3/8/2023 10:36	0	0	0
91	3/8/2023 10:37	0	0	0
92	3/8/2023 10:38	0	0	0
93	3/8/2023 10:39	0	0	0
94	3/8/2023 10:40	0	0	0
Peak		0.1	0.5	0.2
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/8/2023 9:07	0	---
2	3/8/2023 9:08	0	---
3	3/8/2023 9:09	0	---

4	3/8/2023 9:10	0	---
5	3/8/2023 9:11	0	---
6	3/8/2023 9:12	0	---
7	3/8/2023 9:13	0	---
8	3/8/2023 9:14	0	---
9	3/8/2023 9:15	0	---
10	3/8/2023 9:16	0	---
11	3/8/2023 9:17	0	---
12	3/8/2023 9:18	0	---
13	3/8/2023 9:19	0	---
14	3/8/2023 9:20	0	---
15	3/8/2023 9:21	0	0
16	3/8/2023 9:22	0	0
17	3/8/2023 9:23	0	0
18	3/8/2023 9:24	0	0
19	3/8/2023 9:25	0	0
20	3/8/2023 9:26	0	0
21	3/8/2023 9:27	0	0
22	3/8/2023 9:28	0	0
23	3/8/2023 9:29	0	0
24	3/8/2023 9:30	0	0
25	3/8/2023 9:31	0	0
26	3/8/2023 9:32	0	0
27	3/8/2023 9:33	0	0
28	3/8/2023 9:34	0	0
29	3/8/2023 9:35	0	0
30	3/8/2023 9:36	0	0
31	3/8/2023 9:37	0	0
32	3/8/2023 9:38	0	0
33	3/8/2023 9:39	0	0
34	3/8/2023 9:40	0	0
35	3/8/2023 9:41	0	0
36	3/8/2023 9:42	0	0
37	3/8/2023 9:43	0	0
38	3/8/2023 9:44	0	0
39	3/8/2023 9:45	0	0
40	3/8/2023 9:46	0	0
41	3/8/2023 9:47	0	0
42	3/8/2023 9:48	0	0
43	3/8/2023 9:49	0	0
44	3/8/2023 9:50	0	0
45	3/8/2023 9:51	0	0
46	3/8/2023 9:52	0	0
47	3/8/2023 9:53	0	0
48	3/8/2023 9:54	0	0
49	3/8/2023 9:55	0	0
50	3/8/2023 9:56	0	0

51	3/8/2023 9:57	0	0
52	3/8/2023 9:58	0	0
53	3/8/2023 9:59	0	0
54	3/8/2023 10:00	0	0
55	3/8/2023 10:01	0	0
56	3/8/2023 10:02	0	0
57	3/8/2023 10:03	0	0
58	3/8/2023 10:04	0	0
59	3/8/2023 10:05	0	0
60	3/8/2023 10:06	0	0
61	3/8/2023 10:07	0	0
62	3/8/2023 10:08	0	0
63	3/8/2023 10:09	0	0
64	3/8/2023 10:10	0	0
65	3/8/2023 10:11	0	0
66	3/8/2023 10:12	0	0
67	3/8/2023 10:13	0	0
68	3/8/2023 10:14	0	0
69	3/8/2023 10:15	0	0
70	3/8/2023 10:16	0	0
71	3/8/2023 10:17	0	0
72	3/8/2023 10:18	0	0
73	3/8/2023 10:19	0	0
74	3/8/2023 10:20	0	0
75	3/8/2023 10:21	0	0
76	3/8/2023 10:22	0	0
77	3/8/2023 10:23	0	0
78	3/8/2023 10:24	0	0
79	3/8/2023 10:25	0	0
80	3/8/2023 10:26	0	0
81	3/8/2023 10:27	0	0
82	3/8/2023 10:28	0	0
83	3/8/2023 10:29	0	0
84	3/8/2023 10:30	0	0
85	3/8/2023 10:31	0	0
86	3/8/2023 10:32	0	0
87	3/8/2023 10:33	0	0
88	3/8/2023 10:34	0	0
89	3/8/2023 10:35	0	0
90	3/8/2023 10:36	0	0
91	3/8/2023 10:37	0	0
92	3/8/2023 10:38	0	0
93	3/8/2023 10:39	0	0
94	3/8/2023 10:40	0	0

==========

23/03/08 11:21

****

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/8/2023 11:21
End	3/8/2023 12:44
Sample Period(s)	60
Number of Records	82
Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/8/2023 11:22	0	0	0
2	3/8/2023 11:23	0	0	0
3	3/8/2023 11:24	0	0	0
4	3/8/2023 11:25	0	0	0
5	3/8/2023 11:26	0	0	0
6	3/8/2023 11:27	0	0	0
7	3/8/2023 11:28	0	0	0
8	3/8/2023 11:29	0	0	0

9	3/8/2023 11:30	0	0	0
10	3/8/2023 11:31	0	0	0
11	3/8/2023 11:32	0	0	0
12	3/8/2023 11:33	0	0	0
13	3/8/2023 11:34	0	0	0
14	3/8/2023 11:35	0	0	0
15	3/8/2023 11:36	0	0	0
16	3/8/2023 11:37	0	0	0
17	3/8/2023 11:38	0	0	0
18	3/8/2023 11:39	0	0	0
19	3/8/2023 11:40	0	0	0
20	3/8/2023 11:41	0	0	0
21	3/8/2023 11:42	0	0	0
22	3/8/2023 11:43	0	0	0
23	3/8/2023 11:44	0	0	0
24	3/8/2023 11:45	0	0	0
25	3/8/2023 11:46	0	0	0
26	3/8/2023 11:47	0	0	0
27	3/8/2023 11:48	0	0	0
28	3/8/2023 11:49	0	0	0
29	3/8/2023 11:50	0	0	0
30	3/8/2023 11:51	0	0	0
31	3/8/2023 11:52	0	0	0
32	3/8/2023 11:53	0	0	0
33	3/8/2023 11:54	0	0	0
34	3/8/2023 11:55	0	0	0
35	3/8/2023 11:56	0	0	0
36	3/8/2023 11:57	0	0	0
37	3/8/2023 11:58	0	0	0
38	3/8/2023 11:59	0	0	0
39	3/8/2023 12:00	0	0	0
40	3/8/2023 12:01	0	0	0
41	3/8/2023 12:02	0	0	0
42	3/8/2023 12:03	0	0	0
43	3/8/2023 12:04	0	0	0
44	3/8/2023 12:05	0	0	0
45	3/8/2023 12:06	0	0	0
46	3/8/2023 12:07	0	0	0
47	3/8/2023 12:08	0	0	0
48	3/8/2023 12:09	0	0	0
49	3/8/2023 12:10	0	0	0
50	3/8/2023 12:11	0	0	0
51	3/8/2023 12:12	0	0	0
52	3/8/2023 12:13	0	0	0
53	3/8/2023 12:14	0	0	0
54	3/8/2023 12:15	0	0	0
55	3/8/2023 12:16	0	0	0

	56	3/8/2023 12:17	0	0	0
	57	3/8/2023 12:18	0	0	0
	58	3/8/2023 12:19	0	0	0
	59	3/8/2023 12:20	0	0	0
	60	3/8/2023 12:21	0	0	0
	61	3/8/2023 12:22	0	0	0
	62	3/8/2023 12:23	0	0	0
	63	3/8/2023 12:24	0	0	0
	64	3/8/2023 12:25	0	0	0
	65	3/8/2023 12:26	0	0	0
	66	3/8/2023 12:27	0	0	0
	67	3/8/2023 12:28	0	0	0
	68	3/8/2023 12:29	0	0	0
	69	3/8/2023 12:30	0	0	0
	70	3/8/2023 12:31	0	0	0
	71	3/8/2023 12:32	0	0	0
	72	3/8/2023 12:33	0	0	0
	73	3/8/2023 12:34	0	0	0
	74	3/8/2023 12:35	0	0	0
	75	3/8/2023 12:36	0	0	0
	76	3/8/2023 12:37	0	0	0
	77	3/8/2023 12:38	0	0	0
	78	3/8/2023 12:39	0	0	0
	79	3/8/2023 12:40	0	0	0
	80	3/8/2023 12:41	0	0	0
	81	3/8/2023 12:42	0	0	0
	82	3/8/2023 12:43	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/8/2023 11:22	0	---
2	3/8/2023 11:23	0	---
3	3/8/2023 11:24	0	---
4	3/8/2023 11:25	0	---
5	3/8/2023 11:26	0	---
6	3/8/2023 11:27	0	---
7	3/8/2023 11:28	0	---
8	3/8/2023 11:29	0	---
9	3/8/2023 11:30	0	---
10	3/8/2023 11:31	0	---
11	3/8/2023 11:32	0	---
12	3/8/2023 11:33	0	---

13	3/8/2023 11:34	0	---
14	3/8/2023 11:35	0	---
15	3/8/2023 11:36	0	0
16	3/8/2023 11:37	0	0
17	3/8/2023 11:38	0	0
18	3/8/2023 11:39	0	0
19	3/8/2023 11:40	0	0
20	3/8/2023 11:41	0	0
21	3/8/2023 11:42	0	0
22	3/8/2023 11:43	0	0
23	3/8/2023 11:44	0	0
24	3/8/2023 11:45	0	0
25	3/8/2023 11:46	0	0
26	3/8/2023 11:47	0	0
27	3/8/2023 11:48	0	0
28	3/8/2023 11:49	0	0
29	3/8/2023 11:50	0	0
30	3/8/2023 11:51	0	0
31	3/8/2023 11:52	0	0
32	3/8/2023 11:53	0	0
33	3/8/2023 11:54	0	0
34	3/8/2023 11:55	0	0
35	3/8/2023 11:56	0	0
36	3/8/2023 11:57	0	0
37	3/8/2023 11:58	0	0
38	3/8/2023 11:59	0	0
39	3/8/2023 12:00	0	0
40	3/8/2023 12:01	0	0
41	3/8/2023 12:02	0	0
42	3/8/2023 12:03	0	0
43	3/8/2023 12:04	0	0
44	3/8/2023 12:05	0	0
45	3/8/2023 12:06	0	0
46	3/8/2023 12:07	0	0
47	3/8/2023 12:08	0	0
48	3/8/2023 12:09	0	0
49	3/8/2023 12:10	0	0
50	3/8/2023 12:11	0	0
51	3/8/2023 12:12	0	0
52	3/8/2023 12:13	0	0
53	3/8/2023 12:14	0	0
54	3/8/2023 12:15	0	0
55	3/8/2023 12:16	0	0
56	3/8/2023 12:17	0	0
57	3/8/2023 12:18	0	0
58	3/8/2023 12:19	0	0
59	3/8/2023 12:20	0	0

60	3/8/2023 12:21	0	0
61	3/8/2023 12:22	0	0
62	3/8/2023 12:23	0	0
63	3/8/2023 12:24	0	0
64	3/8/2023 12:25	0	0
65	3/8/2023 12:26	0	0
66	3/8/2023 12:27	0	0
67	3/8/2023 12:28	0	0
68	3/8/2023 12:29	0	0
69	3/8/2023 12:30	0	0
70	3/8/2023 12:31	0	0
71	3/8/2023 12:32	0	0
72	3/8/2023 12:33	0	0
73	3/8/2023 12:34	0	0
74	3/8/2023 12:35	0	0
75	3/8/2023 12:36	0	0
76	3/8/2023 12:37	0	0
77	3/8/2023 12:38	0	0
78	3/8/2023 12:39	0	0
79	3/8/2023 12:40	0	0
80	3/8/2023 12:41	0	0
81	3/8/2023 12:42	0	0
82	3/8/2023 12:43	0	0

==========

23/03/09 08:51

****

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/9/2023 8:51
End	3/9/2023 8:51
Sample Period(s)	60
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030093C2

Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15

****

Datalog

0 record.

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23/03/10 11:59

****

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-913125
Unit Firmware Ver	V2.22

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode

Site ID	12345678
User ID	12345678

Begin	3/10/2023 11:59
End	3/10/2023 11:59
Sample Period(s)	60
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030093C2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100

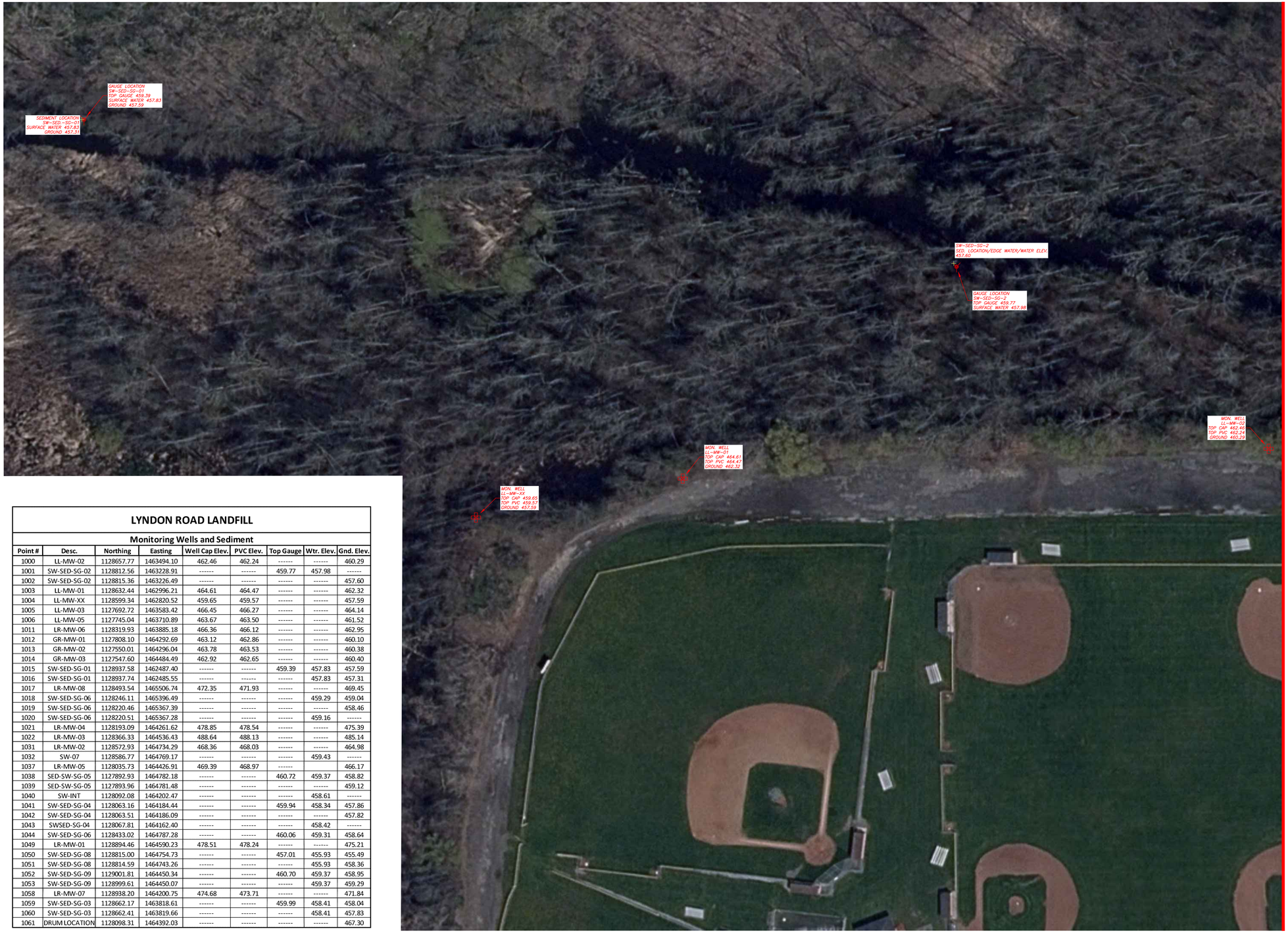
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	2/22/2023 12:15

****

Datalog

0 record.

APPENDIX 11
SITE SURVEY



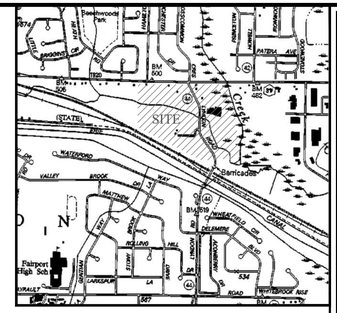
LYNDON ROAD LANDFILL

Monitoring Wells and Sediment

Point #	Desc.	Northing	Easting	Well Cap Elev.	PVC Elev.	Top Gauge	Wtr. Elev.	Gnd. Elev.
1000	LL-MW-02	1128657.77	1463494.10	462.46	462.24	------	------	460.29
1001	SW-SED-SG-02	1128812.56	1463228.91	------	------	459.77	457.98	------
1002	SW-SED-SG-02	1128815.36	1463226.49	------	------	------	------	457.60
1003	LL-MW-01	1128632.44	1462996.21	464.61	464.47	------	------	462.32
1004	LL-MW-XX	1128599.34	1462820.52	459.65	459.57	------	------	457.59
1005	LL-MW-03	1127692.72	1463583.42	466.45	466.27	------	------	464.14
1006	LL-MW-05	1127745.04	1463710.89	463.67	463.50	------	------	461.52
1011	LR-MW-06	1128319.93	1463885.18	466.36	466.12	------	------	462.95
1012	GR-MW-01	1127808.10	1464292.69	463.12	462.86	------	------	460.10
1013	GR-MW-02	1127550.01	1464296.04	463.78	463.53	------	------	460.38
1014	GR-MW-03	1127547.60	1464484.49	462.92	462.65	------	------	460.40
1015	SW-SED-SG-01	1128937.58	1462487.40	------	------	459.39	457.83	457.59
1016	SW-SED-SG-01	1128937.74	1462485.55	------	------	------	457.83	457.31
1017	LR-MW-08	1128493.54	1465506.74	472.35	471.93	------	------	469.45
1018	SW-SED-SG-06	1128246.11	1465396.49	------	------	------	459.29	459.04
1019	SW-SED-SG-06	1128220.46	1465367.39	------	------	------	------	458.46
1020	SW-SED-SG-06	1128220.51	1465367.28	------	------	------	459.16	------
1021	LR-MW-04	1128193.09	1464261.62	478.85	478.54	------	------	475.39
1022	LR-MW-03	1128366.33	1464536.43	488.64	488.13	------	------	485.14
1031	LR-MW-02	1128572.93	1464734.29	468.36	468.03	------	------	464.98
1032	SW-07	1128586.77	1464769.17	------	------	------	459.43	------
1037	LR-MW-05	1128035.73	1464426.91	469.39	468.97	------		466.17
1038	SED-SW-SG-05	1127892.93	1464782.18	------	------	460.72	459.37	458.82
1039	SED-SW-SG-05	1127893.96	1464781.48	------	------	------	------	459.12
1040	SW-INT	1128092.08	1464202.47	------	------	------	458.61	------
1041	SW-SED-SG-04	1128063.16	1464184.44	------	------	459.94	458.34	457.86
1042	SW-SED-SG-04	1128063.51	1464186.09	------	------	------	------	457.82
1043	SWSED-SG-04	1128067.81	1464162.40	------	------	------	458.42	------
1044	SW-SED-SG-06	1128433.02	1464787.28	------	------	460.06	459.31	458.64
1049	LR-MW-01	1128894.46	1464590.23	478.51	478.24	------	------	475.21
1050	SW-SED-SG-08	1128815.00	1464754.73	------	------	457.01	455.93	455.49
1051	SW-SED-SG-08	1128814.59	1464743.26	------	------	------	455.93	458.36
1052	SW-SED-SG-09	1129001.81	1464450.34	------	------	460.70	459.37	458.95
1053	SW-SED-SG-09	1128999.61	1464450.07	------	------	------	459.37	459.29
1058	LR-MW-07	1128938.20	1464200.75	474.68	473.71	------	------	471.84
1059	SW-SED-SG-03	1128662.17	1463818.61	------	------	459.99	458.41	458.04
1060	SW-SED-SG-03	1128662.41	1463819.66	------	------	------	458.41	457.83
1061	DRUM LOCATION	1128098.31	1464392.03	------	------	------	------	467.30

40 0 40 80 120

SCALE 1"= 40'



TOWN OF PERINTON
LOCATION SKETCH
N.T.S.

N

(GRID)

LEGEND

- SURVEY CONTROL POINT
- MONITORING WELL
- SURFACE WATER GAUGE
- SEDIMENT LOCATION

SHEET INDEX

SHEET 1	SHEET 2	SHEET 3
	SHEET 4	SHEET 5

SURVEY NOTES:

1. HORIZONTAL COORDINATE SYSTEM: N.A.D. '83(2011) N.Y.S.P.C.S. WEST ZONE, US FOOT.
2. VERTICAL DATUM: N.A.V.D. '88.
3. FIELD WORK COMPLETED ON APRIL 4, 2023 BY RAVI ENGINEERING AND LAND SURVEYING WITH RAINY CONDITIONS AT THE TIME OF SURVEY.

WE, RAVI ENGINEERING & LAND SURVEYING, HEREBY CERTIFY THAT I AM A LICENSED LAND SURVEYOR AND THAT THIS MAP WAS COMPLETED ON APRIL 20, 2023 FROM A SURVEY COMPLETED ON APRIL 4, 2023.

David J. Honnick 4-20-23

SIGNED: DAVID J. HONNICK, PLS REGISTRATION # 050966

NO.	REVISION	DATE

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DAVID J. HONNICK 050966 LICENSED LAND SURVEYOR STATE OF NEW YORK

RAVI ENGINEERING & LAND SURVEYING, P.C.
2110 SOUTH CLINTON AVENUE, SUITE 1
ROCHESTER, NEW YORK 14618
TEL: (585) 223-3660 FAX: (585) 223-4250

PROJECT SURVEYOR: DAVE J. HONNICK P.L.S.
MAPPING BY: ANTHONY J. CRETELLE
SCALE: 1"= 40'

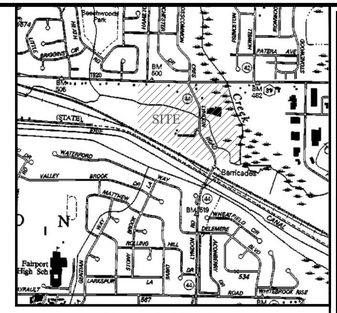
SURVEY PLAN SHOWING NYSDEC MONITORING WELLS LYNDON ROAD LANDFILL

TOWN OF PERINTON STATE OF NEW YORK
MONROE COUNTY

PROJECT # 23-23-037A

ISSUE DATE 4-20-2023

SHEET 1 OF 5



TOWN OF PERINTON
LOCATION SKETCH
N.T.S.

N
(GRID)

LEGEND

- SURVEY CONTROL POINT
- MONITORING WELL
- SURFACE WATER GAUGE
- SEDIMENT LOCATION

SHEET INDEX

SHEET 1	SHEET 2	SHEET 3
	SHEET 4	SHEET 5

SCALE 1"= 40'

SURVEY NOTES:

1. HORIZONTAL COORDINATE SYSTEM: N.A.D. '83(2011) N.Y.S.P.C.S. WEST ZONE, US FOOT.
2. VERTICAL DATUM: N.A.V.D. '88.
3. FIELD WORK COMPLETED ON APRIL 4, 2023 BY RAVI ENGINEERING AND LAND SURVEYING WITH RAINY CONDITIONS AT THE TIME OF SURVEY.

NO.	REVISION	DATE

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STATE OF NEW YORK
DAVID J. HONNICK
LICENSED LAND SURVEYOR

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ROCHESTER, NEW YORK 14618
TEL: (585) 223-3660 FX: (585) 223-4250

PROJECT SURVEYOR
DAVE J. HONNICK P.L.S.

MAPPING BY
ANTHONY J. CRETELLE

SCALE
1"= 40'

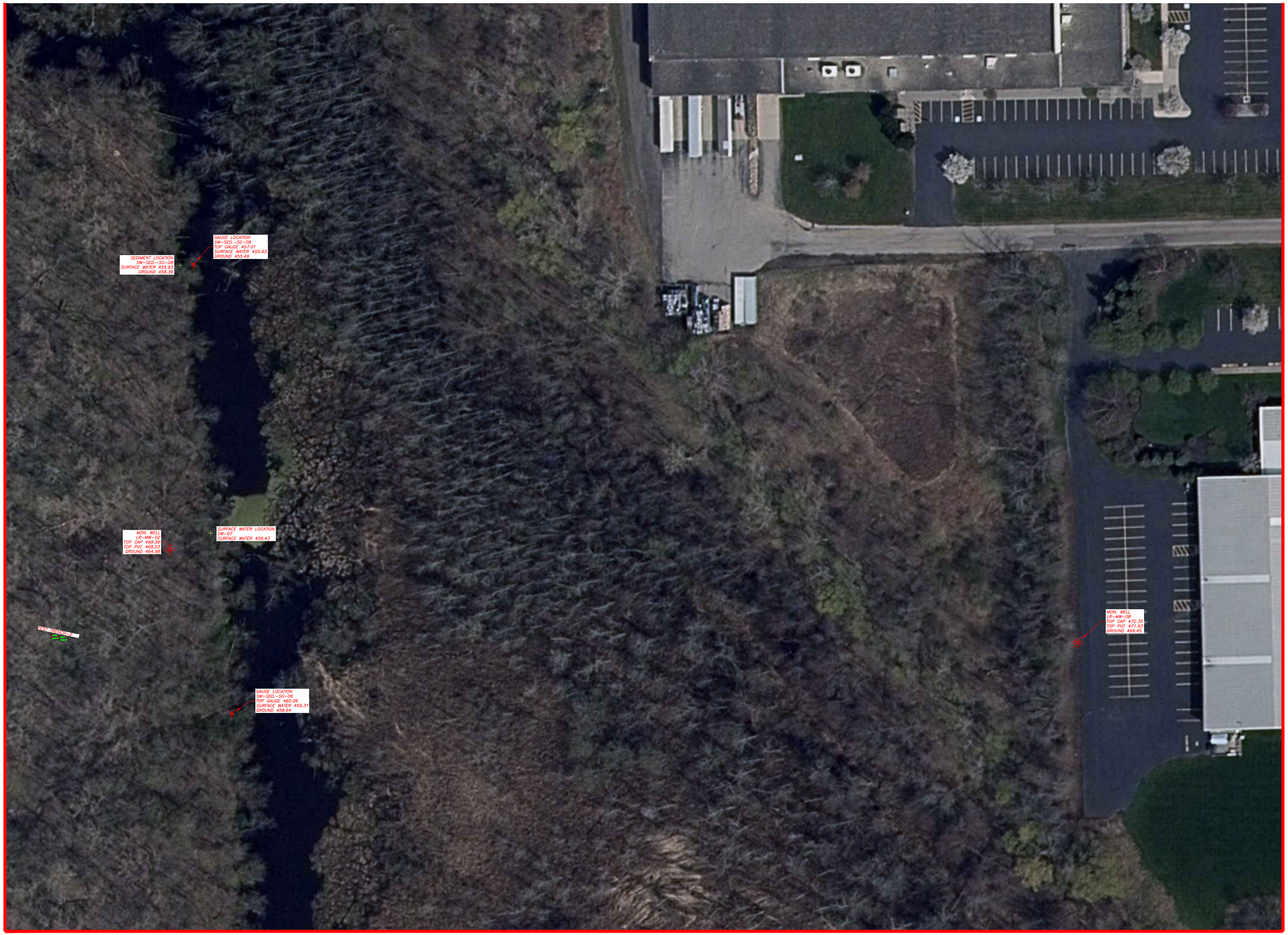
SURVEY PLAN SHOWING NYSDEC MONITORING WELLS LYNDON ROAD LANDFILL

TOWN OF PERINTON STATE OF NEW YORK
MONROE COUNTY

PROJECT #
23-23-037A

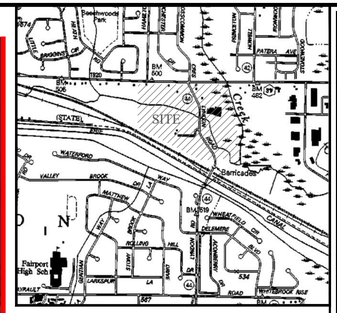
ISSUE DATE
4-20-2023

SHEET 2 OF 5



MATCH LINE TO SHEET 2

MATCH LINE TO SHEET 5



TOWN OF PERINTON
LOCATION SKETCH
N.T.S.

N

(GRID)

LEGEND

- SURVEY CONTROL POINT
- MONITORING WELL
- SURFACE WATER GAUGE
- SEDIMENT LOCATION

SHEET INDEX

SHEET 1	SHEET 2	SHEET 3
	SHEET 4	SHEET 5

40 0 40 80 120

SCALE 1"= 40'

SURVEY NOTES:

1. HORIZONTAL COORDINATE SYSTEM: N.A.D. '83(2011) N.Y.S.P.C.S. WEST ZONE, US FOOT.
2. VERTICAL DATUM: N.A.V.D. '88.
3. FIELD WORK COMPLETED ON APRIL 4, 2023 BY RAVI ENGINEERING AND LAND SURVEYING WITH RAINY CONDITIONS AT THE TIME OF SURVEY.

NO.	REVISION	DATE

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DAVE J. HONNICK
NEW YORK
LICENSED LAND SURVEYOR
049650

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TL: (585) 223-3660 FX: (585) 223-4250

PROJECT SURVEYOR
DAVE J. HONNICK P.L.S.

MAPPING BY
ANTHONY J. CRETELLE

SCALE
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SHEET 3 OF 5

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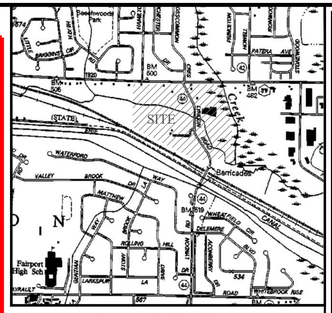

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SHEET 4 OF 5

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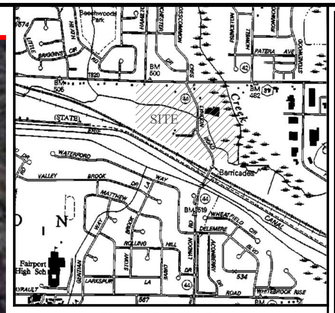
MATCH LINE TO SHEET 4



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STATE OF NEW YORK
DAVID J. HONNICK
090550
LICENSED LAND SURVEYOR

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