

Niagara Mohawk Power Corporation d/b/a National Grid

DK-21 Storage Yard SWMU Assessment Report

Dewey/Kensington Service Center Buffalo, New York

October 2023

DK-21 STORAGE YARD SWMU ASSESSMENT REPORT

Dewey/Kensington Service Center

October 2023

Prepared By:

Arcadis of New York, Inc.

One Lincoln Center, 110 West Fayette Street, Suite 300 Syracuse

New York 13202 Phone: 315 446 9120 Fax: 315 449 0017 **Prepared For:**

Niagara Mohawk Power Corporation d/b/a National Grid .

Our Ref: 30094243

This document is intended only for the use of the individual or entity for which it was prepared and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Any dissemination, distribution or copying of this document is strictly prohibited.

Contents

| A | cronym | s and Abbreviations | ii |
|---|--------|--|----|
| 1 | Intro | oduction | 1 |
| | 1.1 | Background Information | 1 |
| | 1.1.1 | 95 Dewey Avenue Parcel | 1 |
| | 1.1.2 | 144 Kensington Avenue Parcel | 2 |
| | 1.1.3 | Previous RCRA Corrective Action Activities | 2 |
| | 1.2 | Previous DK-21 Storage Yard Investigation Results | 3 |
| | 1.3 | Report Organization | 4 |
| 2 | SWI | /IU Assessment Activities | 5 |
| | 2.1 | February 2022 Field Activities | 5 |
| | 2.2 | December 2022 Field Activities | 6 |
| 3 | SWI | /IU Assessment Results | 1 |
| | 3.1 | Soil Characterization | 1 |
| | 3.2 | Emerging Contaminant Results | 1 |
| | 3.3 | PCB Results | 1 |
| 4 | Prop | oosed Corrective Action Approach and Pre-Design Investigation Activities | 3 |
| | 4.1 | Corrective Action Approach | 3 |
| | 4.1.1 | Corrective Action Plan | 4 |
| | 4.1.2 | Self-Implementing Cleanup Notification | 5 |
| | 4.2 | Pre-Design Investigation | 6 |
| 5 | Pofo | aron coc | 10 |

Tables

1 Soil Analytical Results – PCBs and Emerging Contaminants

Figures

- 1 Site Location Map
- 2 Facility Layout Plan

SWMU ASSESSMENT REPORT

- 3 Previous Soil Analytical Data
- 4 Soil Boring Data
- 5 PCB Distribution/Proposed Boring Locations

Attachments

- A Preliminary Investigation Analytical Results
- B NYSDEC Generic Community Air Monitoring Plan
- C Sampling Field Notes
- D Soil Boring Logs
- E IDW Disposal Documentation
- F Data Usability Summary Reports

Acronyms and Abbreviations

Arcadis Arcadis of New York, Inc.

bgs below ground surface

CAMP Generic Community Air Monitoring Plan

CAP Corrective Acton Plan

COC constituents of concern

CY cubic yard

DCR Declaration of Covenants and Restrictions

DER Division of Environmental Remediation

DK-21 Dewey/Kensington Building 21 (Warehouse Building)

DUSR Data Usability Summary Report

GZA GeoEnvironmental of New York

HASP health and safety plan

IDW Investigation Derived Waste

National Grid

National Grid Company

NYCRR New York Code of Rules and Regulations

NYS New York State

NYSDEC New York State Department of Environmental Conservation

NYSDOH New York State Department of Health

PCBs Polychlorinated Biphenyls

PFAS per- and polyfluoroalkyl substances

ppm parts per million

PRR Periodic Review Report

RCRA Resource Conservation and Recovery Act

SDG Sample Delivery Group

St Mary's St. Mary's Benevolent Society/Providence Retreat

SWMU Solid Waste Management Unit

TSCA Toxic Substances Control Act

USEPA United States Environmental Protection Agency

arcadis.com

SWMU Assessment Report_100523

1 Introduction

This Solid Waste Management Unit (SWMU) Assessment Report summarizes the results of investigation activities that have been implemented in order to evaluate the extent of polychlorinated biphenyl- (PCB)-containing soil in a storage yard area located northeast of the warehouse building (Building DK-21) at the Niagara Mohawk Power Corporation d/b/a National Grid (National Grid) Dewey/Kensington Service Center in Buffalo, New York. The DK-21 storage yard area (storage yard) was not originally identified as a SWMU in the 6NYCRR Part 373 Hazardous Waste Management Permit for a former Hazardous Waste Treatment, Storage and Disposal Facility (TSDF). Following the initial identification of PCBs in the storage yard area (as summarized below), National Grid submitted a June 24, 2021 letter to the NYSDEC which provided written notification regarding the discovery of a newly-identified SWMU at the facility pursuant to Paragraph XV of an existing Resource Conservation and Recovery Act (RCRA) Corrective Action Order on Consent between National Grid and the New York State Department of Environmental Conservation (NYSDEC) (Index No. R9-4407-96-09). In the June 24, 2021 letter, National Grid committed to preparing a SWMU Assessment Plan and implementing investigation efforts to evaluate the horizontal and vertical extent of PCB-containing soil in the DK-21 storage yard area.

Relevant background information is presented below, followed by a discussion of previous investigation activities implemented at the facility and the purpose and organization of this report.

1.1 Background Information

The Dewey/Kensington Service Center is located between Dewey and Kensington Avenues in Buffalo, New York. A site location map is presented as Figure 1. A city of Buffalo Atlas (tax map) from 1891 indicates that the current service center property was an undeveloped area located in the eastern portion of the St. Mary's Benevolent Society/Providence Retreat (St. Mary's) property. By the early 1900's, the property had been subdivided into two separate parcels, including a northern parcel located at 95 Dewey Avenue (Parcel 89.16-1-2) and a southern parcel located at 144 Kensington Avenue (Parcel 89.16-1-6). A facility layout plan is presented as Figure 2.

1.1.1 95 Dewey Avenue Parcel

The 95 Dewey Avenue Parcel is approximately 8.97 acres in size. Based upon available site history, the earliest recorded use of the parcel included several residential homes and a petroleum filling station that were located in the northeast corner of the parcel by the early 1900s. The Stewart Motor Car Company (Stewart) developed the remaining portion of the parcel beginning around 1912 and eventually displaced the homes and filling station. Stewart used the parcel for automobile and truck manufacturing from approximately 1912 to 1939, operating from three main buildings that continue to be used by National Grid (current buildings DK-1 through DK-3). Stewart ceased production in 1939 and later that year, the property and buildings were purchased by Buffalo Electric Corporation (predecessor to National Grid). National Grid and predecessor utility companies have continuously operated the parcel as a utility service center since 1939, with the three main buildings currently used as crew headquarters, office space, storage areas, and workshops.

1.1.2 144 Kensington Avenue Parcel

The 144 Kensington Avenue Parcel is approximately 12.23 acres in size. The parcel was initially developed as a warehousing facility by Cyphers Incubator Company in the early 1910's. Richards and Boynton Company (Richardson and Boynton), a manufacturer for home heating boilers acquired the parcel shortly after initial development. A Sanborn Fire Insurance Map from 1934 indicates that the current buildings located on the parcel were largely complete, with the following operations indicated:

- Machining/grinding and shipping (current Buildings DK-13, DK-15, and DK-17).
- Core Room and clay/pattern (current building DK-19).
- Foundry (current building DK-21).

Richardson and Boynton filed for bankruptcy in 1939, and Hewitt-Robins, Inc. (Hewitt-Robins) acquired the property and buildings in the mid-1940's. Hewitt-Robins used the parcel for manufacturing of latex and foam rubber products. Niagara Mohawk Power Corporation (predecessor to National Grid) purchased the parcel and buildings from Hewitt-Robins in 1975. Factory areas purchased from Hewitt-Robins (buildings DK-13, DK-15, DK-16, DK-17, DK-19, and DK-21) reportedly had dirt floors when the buildings were purchased by National Grid. Following purchase, National Grid modified the buildings to add concrete floors, partitions and office space, hydraulic lifts, etc. National Grid continues to use the buildings located on the southern parcel as offices, vehicle maintenance garage, workshops, and storage/warehouse areas.

1.1.3 Previous RCRA Corrective Action Activities

National Grid historically stored and handled PCB-containing electrical equipment and generated PCB-containing used oil at both the northern and southern property parcels. In 1982, National Grid submitted a Hazardous Waste TSDF Permit for a tank storage operation located in building DK-14. The permit submittal resulted in the Dewey/Kensington Service Center being designated as an interim-status TSDF. NYSDEC review of the permit application resulted in public hearings during 1989 where several community groups expressed opposition to approval of the permit. Pursuant to a decision by a New York Administrative Law Judge, the NYSDEC ultimately issued a Part 373 Hazardous Waste Management Permit (Part 373 Permit No. 9-1402-00397/00001-0) in late 1990 which allowed National Grid to continue to operate the TSDF for a period of 18 months. The TSDF was closed in December 1992 in accordance with a NYSDEC-approved Closure Plan and National Grid has continued to operate as a large quantity less-than 90-day hazardous waste generator since that time. The Hazardous Waste Permit identified existing SWMUs at the facility (mostly solid waste and petroleum storage related areas).

During 1989, National Grid collected soil samples in response to an oil spill at Building DK-4 located along the west side of the northern property parcel. Initial soil samples identified the presence of PCBs, and subsequent characterization efforts delineated PCBs at concentrations up to 230 parts per million (ppm) on National Grid's property. PCBs were also identified on the adjacent St. Mary's School athletic field immediately west of the northern parcel. Subsequent response measures were implemented which achieved the removal of PCBs exceeding 1 ppm on the St. Mary's athletic field, and removal of PCBs exceeding 10 ppm on National Grid's property. Following completion of the soil excavation activities (concurrent with the permit review efforts summarized above), the NYSDEC listed the service center property as a New York State Listed Inactive

Hazardous Waste Site (Site Code 915144) with a Site Classification Code of 5 (indicating no further action required). On October 3, 2011, National Grid received official notification that the site was deleted from the New York State Registry of Inactive Hazardous Waste Disposal Sites.

In September 1992, excavation activities at the facility in the vicinity of Building DK-13 (primarily utilized as a vehicle maintenance garage) revealed petroleum-impacted gravel and a broken vent line connected to an underground waste oil storage tank. The waste oil tank was subsequently removed, and four groundwater monitoring wells (ESI-1, ESI-2, ESI-3, and ESI-4) were installed in the vicinity of the former tank in order to supplement an existing monitoring well (MW-1), and in order to facilitate periodic groundwater monitoring in this area. During 1994, National Grid conducted soil and groundwater investigation activities which identified the presence of several volatile organic compounds (VOCs) and PCBs in groundwater at concentrations above NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 – Ambient Water Quality Standards and Guidance Values (NYSDEC, 1998, amended 2000). The groundwater exceedances associated with the former DK-13 waste oil storage tank were designated as SWMU #7.

In November 1997, National Grid entered into an Order on Consent with NYSDEC in order to guide future site monitoring and to establish a framework for implementing additional site investigation or remediation. As mandated in the Consent Order, semi-annual (spring and fall) groundwater monitoring events were conducted for monitoring wells located in the western portion of the Kensington Avenue parcel. The monitoring frequency and list of wells sampled during each groundwater monitoring event has been modified through time by NYSDEC. Currently, groundwater monitoring is conducted during one annual event, and site inspections are conducted semi-annually.

1.2 Previous DK-21 Storage Yard Investigation Results

The DK-21 storage yard area is utilized for outdoor storage of electrical equipment and supplies prior to being deployed to support National Grid's electric distribution operations throughout Western New York. Equipment sored in the area includes pole-top and pad-mounted transformers of various sizes, a variety of spools of electrical conductor wire, electrical conduit, and other miscellaneous supplies. The entire storage yard is fenced from the remainder of the National Grid facility, and access to the area is restricted for inventory control purposes. The primary routine access of the storage yard area is by designated warehouse employees using lift trucks to stage and move equipment and other stored supplies.

As discussed in the June 24, 2021 notification letter, National Grid is planning to implement a paving project (the DK-21 Pavement Improvement Project) which will include the replacement of deteriorated pavement/concrete and subbase material in order to support the installation of new pavement in the storage yard area located northeast of Building DK-21 (shown on Figure 2). The planned work will also include the replacement of four catch basins in the area. In order to characterize soil proposed for removal within the pavement project area, GZA GeoEnvironmental of New York (GZA) completed 13 soil borings to depths of up to 8 feet below grade. PCB analytical results for samples collected from the GZA soil borings are shown on the Figure 3. PCBs were detected at 7 of the 13 borings at concentrations ranging from 5.69 ppm to 741 ppm. The laboratory analytical report for the analysis of the soil samples collected from the GZA soil borings is presented in Attachment A. Based upon the analytical results, National Grid submitted the June 24, 2021 letter to the NYSDEC which designated the DK-21 storage yard area as a newly-identified SWMU.

The DK-21 pavement project has been delayed until National Grid implements efforts to characterize and address the horizontal and vertical extent PCB-containing soil in the DK-21 storage yard area.

1.3 Report Organization

This SWMU Assessment Report is organized as presented in the Table below.

| Section | Purpose | | | | | |
|--|---|--|--|--|--|--|
| Section 1 – Introduction | Provides background information and outlines the purpose of the SWMU Assessment Report. | | | | | |
| Section 2 – SWMU Assessment Activities | Summarizes SWMU Assessment Activities | | | | | |
| Section 3 – SWMU Assessment Results | Presents the results for SWMU Assessment Activities | | | | | |
| Section 4 – Proposed Corrective Action Approach and Pre-Design Investigation | Described the proposed corrective action approach for the DK-21 Storage Yard and presents proposed Pre-Design Investigation activities. | | | | | |
| Section 5 – References | Provides a list of references utilized to prepare this SWMU Assessment Report. | | | | | |

2 SWMU Assessment Activities

In order to evaluate the horizontal and vertical extent of PCBs in the DK-21 storage yard area, two phases of field investigations were completed during February 2022 and December 2022. A summary of the investigation activities conducted during each field mobilization is presented below.

2.1 February 2022 Field Activities

Based upon the results of the initial investigation efforts conducted by GZA, National Grid submitted a SWMU Assessment Plan to the NYSDEC on July 27, 2021. The SWMU Assessment Plan was subsequently revised to address NYSDEC comments provided in an October 20, 2021 letter to National Grid. Based upon the NYSDEC comments, specific soil samples from the DK-21 storage yard area were analyzed for emerging contaminants, including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. The final SWMU Assessment Plan was submitted to the NYSDEC on January 24, 2022.

The SWMU assessment sampling activities were implemented by Arcadis of New York (Arcadis) during February 2022, and included the completion of 23 soil borings (borings B-1 through B-23)(Figure 4). Prior to mobilizing to the facility, Arcadis prepared a project-specific Health and Safety Plan (HASP) for the SWMU assessment field activities. The SWMU assessment activities were conducted using the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP) which is included as Appendix 1A to the NYSDEC Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10, May 2010). The Generic CAMP is included as Attachment B. CAMP monitoring data collected during the SWMU assessment field activities is presented in the sampling field notes included as Attachment C.

Prior to completing soil borings, Arcadis conducted a pre-mobilization field visit in order to identify proposed soil boring locations using Global Positioning System (GPS) methods and completing a geophysical survey in order to mark out utilities in the vicinity of proposed soil borings using ground penetrating radar and electroconductivity surveying methods. Concurrent with the geophysical survey, Arcadis also completed additional utility location efforts, including notifying Dig-Safe New York, visually observing aboveground and surface features at the site, and reviewing existing National Grid utility drawings.

Following completion of the geophysical survey, Arcadis completed 23 soil borings to refusal/bedrock using direct-push sampling methods. Prior to completing each soil boring, Arcadis saw cut the asphalt/pavement and removed subgrade material (which extended to depths of up to 1.9 feet below grade). Arcadis conducted utility clearance activities to a depth of at least 4 feet below ground surface (bgs) using soft dig excavation methods (compressed air). Subsequently, a soil boring was completed using a direct-push drill rig to advance 4-foot long macrocore samplers to the depth of refusal/ bedrock at depths ranging from 4.2 to 11.3 feet bgs. Soil boring logs for borings B-1 through B-23 are included in Attachment D.

The soft dig cuttings from each boring were segregated in to sample intervals, representing material from the first soil encountered below asphalt/pavement subbase material to a depth of approximately 0.5-feet, and from 0.5 to 2-feet, and 2 to 4-feet. The recovered soil cores at each location were also segregated into 2-foot sampling intervals. The soil samples recovered from each 2-foot sampling interval (for both the soft dig cuttings and the

recovered soil cores) were visually characterized. Observations relative to the soil type (e.g., gravel, coarse sand, fine sand, etc.) and grain size characteristics (e.g., size sorting, and texture) were noted. Other observations, including sedimentary structures, organic matter, and moisture were also documented. The soft dig soil cuttings and the recovered soil cores were also be screened for volatile organic compounds using a photoionization detector (PID).

The samples recovered from each sampling interval were containerized in clean laboratory-supplied glassware and submitted to Eurofins/TestAmerica Laboratories (Eurofins) in Amherst, New York. The recovered soil samples for the shallow interval (material from the first soil encountered beneath asphalt/pavement subgrade material to a depth of 0.5 feet) and at least one additional soil interval from each boring (selected based on the judgement of Arcadis' onsite geologist) were initially analyzed for PCBs using United States Environmental Protection Agency (USEPA) Method 8082. Additional samples from specific borings were selected for laboratory analysis for PCBs based upon elevated PID readings and/or visual evidence of potential impacts (e.g., staining or sheens). Samples that were not initially designated for PCB analysis were archived for potential latter analysis based upon the analytical results for the initial samples.

In addition to the samples selected for PCB analysis as specified above, a total of 12 soil samples (one soil sample from approximately every second boring) were submitted for laboratory analysis for PFAS by USEPA Modified Method 537 and 1,4-dioxane by USEAP Method 8270D.

Soil cuttings, disposable sampling equipment, used personal protective equipment, and decontamination water generated during the field sampling activities were containerized in 55-gallon drums. The drums were labeled appropriately based upon their contents, and staged onsite for subsequent waste profiling, transportation, and offsite disposal by National Grid's waste disposal Contractor. Disposal documentation for investigation derived waste (IDW) generated by the sampling activities is included in Attachment E.

2.2 December 2022 Field Activities

Based upon the results obtained for the samples that were collected during the February 2022 field activities, National Grid submitted a Supplemental SWMU Assessment Plan to the NYSDEC on April 21, 2022. The Supplemental SWMU Assessment Plan outlined proposed additional soil investigation efforts in order to address data gaps identified by previous soil sampling. NYSDEC comments on the Supplemental SWMU Assessment Plan were provided in a June 6, 2022 letter to National Grid, and discussed during a July 12, 2022 telephone conference call attended by personnel from the NYSDEC, National Grid, and Arcadis. NYSDEC approval of the Supplemental SWMU Assessment Plan was provided in an August 5, 2022 letter to National Grid.

Arcadis mobilized to the facility during December 2022 and completed eight additional soil borings (borings B-24 through B-31) (see Figure 4). CAMP monitoring data collected during the supplemental SWMU assessment field activities is presented in the sampling field notes included as Attachment C. One soil boring (B-24) was completed in order to further evaluate elevated PCB concentrations detected at soil boring location B-02 (as discussed in Section 3 below). The remaining borings (B-25 through B-31) were completed in order to further evaluate the horizonal and vertical extent of PCBs in the DK-21 storage yard area. Boring logs for soil borings B-24 through B-31 are included in Attachment D. The approach for completing the soil borings and collecting soil samples for laboratory analysis was consistent with previous field activities, with the exception that no soil

SWMU ASSESSMENT REPORT

samples were collected for laboratory analysis of PFAS and 1,4-dioxane. Disposal documentation for IDW generated by the December 2022 field activities is included in Attachment E.

3 SWMU Assessment Results

Analytical results for soil samples that were analyzed for PCBs and emerging contaminants (including PFAS and 1,4-dioxane) are presented in Table 1 and PCB results are shown on Figure 4. Analytical results for samples that were analyzed for PCBs were reported using NYSDEC Analytical Services Protocol Category B data deliverables. The Category B deliverables were reviewed by an Arcadis data validator and a Data Usability Summary Report (DUSR) was prepared for each sample delivery group (SDG). DUSRs are included in Attachment F.

3.1 Soil Characterization

As indicated by the boring logs presented in Attachment D, overburden soil across the yard storage area ranges from 4.2 to 11.3 feet in depth. The shallowest soil is encountered in the northwest portion of the storage yard and the deepest soil is encountered to the southeast along the railroad right-of-way. Soil encountered immediately beneath the pavement subbase material generally consists of a dark grey sand with varying amounts of silt and subangular gravel. Increasing amounts of clay are present in deeper soils encountered above bedrock. Varying amounts of fill materials were encountered at several of the boring locations, including red brick, small pieces of concrete, slag, metals, and glass. Subgrade concrete slabs were encountered at depths of 2.7 to 3.2 feet bgs at boring location B-2, 0.7 to 1.0 feet bgs at boring location B-6, and 4.5 to 5.1 feet bgs at boring location B-23. No other foundations were encountered in the other borings completed across the storage yard.

3.2 Emerging Contaminant Results

New York-specific soil screening levels for PFAS are presented in the NYSDEC Guidance Document entitled Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances. Soil screening levels for 1,4-dioxane are presented in 6NYCRR Part 375-6. PFAS screening levels are presented for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS). There were no detections of PFAS or 1,4 Dioxane at concentrations equal to or exceeding NYSDEC soil screening levels.

3.3 PCB Results

PCBs were detected at 30 of the 31 soil boring locations in the DK-21 storage yard area at estimated concentrations ranging from 0.073 ppm to 50,000 ppm. The overall distribution of PCB results from initial samples conducted by GZA and the SWMU assessment sampling conducted by Arcadis is shown on Figure 5. The most elevated PCB concentrations (concentrations exceeding 100 ppm) were identified in an area located in the northern portion of the DK-21 storage yard (including borings DK-21-7, B-02, B-24 and B-28) and in the vicinity of boring B-10 along the eastern edge of the storage yard. With the exception of the area in the northern portion of the storage yard (including borings DK-21-7, B-02, B-24, and B-28), elevated PCB concentrations are generally encountered at relatively shallow depths.

Other than a limited spatial area along the eastern side of the DK-21 storage yard (which is bounded by the railroad right-of-way to the east of the facility), the horizontal extent of soil exceeding NYSDEC industrial soil screening criteria has been delineated. Based upon the current and future use of the storage yard as a limited-

SWMU ASSESSMENT REPORT

occupancy restricted-access area, the extent of PCBs within the transformer storage yard has been delineated and is sufficient for proposing corrective measures.

4 Proposed Corrective Action Approach and Pre-Design Investigation Activities

The section outlines National Grid's proposed approach for implementing a Pre-Design Investigation (PDI) to refine the extent of proposed remedial activities and for addressing PCBs in soil in the DK-21 storage yard area.

4.1 Corrective Action Approach

National Grid's proposed corrective action approach for the DK-21 storage yard area includes:

- Implementing a PDI in order to complete the delineation of PCBs in soil within the DK-21 storage yard area. Since slag was identified in borings completed within the DK-21 storage yard area, the PDI will also include a gamma walkover survey (GWS) in accordance with 6NYCRR Part 380-6.1. The primary purpose of the GWS is to evaluate whether or not elevated levels of radioactivity are present, which may indicate the existence of technologically-enhanced naturally-occurring radioactive materials (TENORM) in the soils. Since the GWS will only evaluate potential TENORM in soil to a depth of approximately one foot, a licensed radiation consultant will be retained to survey and collect samples if slag is observed in deeper subsurface soils during the corrective action activities.
- Preparing a Correction Action Plan (CAP) and Self-Implementing PCB Cleanup and Disposal Plan (SIP) for review and approval by the NYSDEC and USEPA, respectively.
- Excavation and offsite disposal of soil containing PCBs at concentrations exceeding 100 ppm. Soil containing PCBs at concentrations of less than 100 ppm will remain in place and will be capped by the asphalt and concrete pavement across the storage yard area. The 100 ppm PCB remediation goal is proposed based upon the applicable USEPA soil cleanup objectives for soil located below a cap in a low-occupancy area, as outlined in Title 40 of the Code of Federal Regulations (40 CFR) Part 761.61(a). The conceptual extent of proposed excavation activities (to be finalized based on the PDI results) is shown on Figure 5. All excavated soil will be managed as a Toxic Substances Control Act (TSCA)-regulated PCB waste/New York State Hazardous Waste (waste code B007) and National Grid will collect waste characterization samples to determine any additional applicable waste codes. If any obviously impacted soil or subsurface materials are encountered during excavation activities (based upon visible staining, strong odors, or elevated PID headspace screening results), then soil excavation efforts will continue until all impacted soil/materials are removed, where practicable.
- Filing a deed notice that will identify the location and extent of remaining PCB soil impacts and will restrict the storage yard area to low-occupancy future use. National Grid anticipates that the deed notice for the storage yard area will be implemented as a modification to the existing Declaration of Covenants and Restrictions (DCR) for the Kensington Avenue parcel recorded in the Erie County Clerk's office on January 30, 2013.
- Preparing a Site Management Plan (SMP) that will include procedures and safety measures that will be used
 for any future intrusive subsurface work in the storage yard area and establish a yearly inspection schedule
 for the asphalt/concrete pavement that forms the soil cap. National Grid anticipates that the yearly inspection
 for the cap in the storage yard area will be included as part of the Period Review Report (PRR) that is
 currently being prepared on an annual basis.

The approach for preparing design submittals and implementing the PDI is discussed below.

4.1.1 Corrective Action Plan

National Grid will prepare a CAP which will be equivalent to a remedial design under the NYSDEC DER-10 Guidance. The Corrective Action Plan will consist of the following components:

- Soil Excavation Design plan view drawings showing the horizontal soil excavation limits, target excavation bottom elevations for each removal area, and typical soil excavation cross-sections. The corrective measures contractor will be required to bench/slope excavation areas or utilize pre-fabricated excavation support systems (e.g., slide rails).
- Restoration Design plan view drawings and details showing the locations, elevations, and cross-sections of backfilled excavation areas, and final site cover. In general, soil excavation areas will be backfilled to match pre-existing lines and grades.

Submittals associated with the design will include the following:

- A Draft (90%) CAP
- A Final (100%) CAP

Remedial Design work to be completed for each submittal is summarized below.

Draft (90%) CAP

The *Draft (90%) CAP Report* will generally include the following:

- An overview of site background information, design report objectives, and report organization.
- A summary of the remedy, with a basis of design supporting the proposed remedial design.
- A description of project responsibilities, including site controls for protecting the public health, safety, welfare, and the environment during the implementation of the corrective measures; and in order to maintain the effectiveness of the remedial action.
- A preliminary list of regulatory and permitting requirements necessary in order to implement the corrective measure construction activities.
- A detailed description of the various components associated with completing the corrective measure construction activities including:
 - Soil excavation removal limits and target elevations.
 - Surface restoration design for the complete excavation areas, including the elevation and cross- sections for backfill, subgrade materials, and final cover system to support low occupancy future use of the storage yard area.

- A description of storm water best management practices (BMPs) that will be implemented to control potential
 impacts to site-related storm water run-off. Based upon the overall size for the disturbance area associated
 with the corrective measures, a Storm Water Pollution Prevention Plan (SWPPP) is not required for the
 corrective measure activities.
- A description of the post-remediation activities to be completed following the corrective measure activities, including establishment of institutional controls and requirements for post-remediation monitoring.
- An anticipated schedule for completing the *Draft Final (90%) CAP* and *Final (100%) CAP*, contractor procurement, and implementation of the remedial construction activities.
- Engineering design drawings presenting existing site conditions and the proposed remedial construction activities. Remedial Action Schedule (preliminary), which will present the preliminary anticipated schedule for implementation of the corrective measure construction activities.
- Technical Specifications.
- A Community Air Monitoring Plan (CAMP) which describes the monitoring activities that will be conducted in order to detect potential airborne releases of constituents of concern during the implementation of corrective measure activities.
- Contingency measures and procedures to be implemented at the site in the event of an emergency.
- A waste management plan (WMP) which describes the characterization, handling, treatment, and disposal
 requirements for various waste materials that are anticipated to be generated as a result of the corrective
 measure activities.

Final (100%) CAP

The Final (100%) CAP will incorporate NYSDEC comments on the Draft Final (90%) CAP, and will be stamped and signed by Professional Engineer licensed in the State of New York. National Grid will also prepare a letter summarizing the final modifications to the CAP.

4.1.2 Self-Implementing Cleanup Notification

National Grid will prepare a SIP for the corrective measure activities. The notification will be prepared in accordance with Toxic Substances Control Act (TSCA) regulations presented in 40 CFR Part 761.61(a). As detailed in the regulations, the notification will include:

- A summary of site background (e.g., past site uses and ownership, previous interim remedial measures conducted at the site, etc.), and current or proposed site uses.
- Description of the nature and source of the PCB releases identified at the site.

- A data summary presenting sampling procedures and laboratory extraction and analytical procedures used during the characterization of impacted areas, and a table or site map showing PCB concentrations in characterization samples. The summary will also include sample collection and analysis dates.
- The location and extent of the identified impacted area, including topographic maps with sample locations cross referenced to the sample identification numbers in the data summary.
- Laboratory analytical reports of the characterization sampling, including field and laboratory QA/QC samples.
- A cleanup plan for the site, including the proposed disposal technology and approach, and a cleanup schedule.
- A written certification, signed by the owner of the property where the cleanup site is located and the party
 conducting the cleanup, confirming that all sampling plans, sample collection procedures, sample preparation
 procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or
 characterize the PCB impacts at the site, are on file at the location designated in the certificate, and are
 available for USEPA inspection.
- QA/QC plan describing the procedures that will be conducted to document that the cleanup levels are
 achieved (e.g. confirmatory sampling/analysis QA/QC). The QA/QC plan will include, at a minimum,
 information regarding the types/numbers of samples, extraction/analytical methods, matrix spike/matrix spike
 duplicates (MS/MSDs) (both frequency and acceptance criteria), data validation, etc.

The Self-Implementing Cleanup and Disposal Notification will be submitted to USEPA Region 2 with copies provided to the NYSDEC and local agencies (Erie County Health Department) as required by 40 CFR Part 761.61(a).

4.2 Pre-Design Investigation

In order to refine the extent of proposed excavation areas and collect data to support the direct loadout of excavated soil for offsite transport and disposal, National Grid proposes to implement a PDI that will consist of completing 10 additional delineation soil borings (proposed borings B-32 through B-41 shown on Figure 5) and two waste characterization borings (proposed borings WC-1 and WC-1 shown on Figure 5). The actual location of the borings to be completed will be selected based upon access and the presence of existing underground or overhead utilities. The PDI will also include a GWS to evaluate whether or not the soils in the DK-21 storage area contain TENORM levels exceeding local background conditions.

The project-specific HASP that was previously prepared for the SWMU assessment field activities will be used for the PDI efforts. The PDI activities will be conducted using the New York State Department of Health Generic Community Air Monitoring Plan (CAMP). The Generic CAMP is included as Attachment B.

The PDI soil borings and GWS activities are described below:

PDI Soil Borings

Prior to completing the PDI soil borings, Arcadis will conduct a pre-mobilization field visit in order to identify proposed soil boring locations using Global Positioning System (GPS) methods, and completing a geophysical survey to mark out utilities in the vicinity of proposed soil borings using ground penetrating radar and electroconductivity surveying methods. Concurrent with the geophysical survey, Arcadis will complete additional

utility location efforts, including notifying Dig-Safe New York, visually observing aboveground and surface features at the site, and reviewing existing National Grid utility drawings.

Following completion of the geophysical survey, Arcadis will complete approximately 10 soil borings to refusal/bedrock using direct-push sampling methods. Prior to completing each soil boring, Arcadis will soft dig to a depth of approximately 4 feet below ground surface (bgs) using compressed air excavation methods. Arcadis will then advance a 4-foot long macrocore sampler by direct push methods to the depth of refusal.

The soft dig cuttings from the 10 delineation soil borings will be segregated into sample intervals, representing material from the first soil encountered below asphalt/pavement to a depth of approximately 0.5-feet, and from 0.5 to 2-feet, and 2 to 4-feet. The recovered soil cores at each location will also be segregated into 2-foot sampling intervals. The soil samples recovered from each 2-foot sampling interval (for both the soft dig cuttings and the recovered soil cores) will be visually characterized. Observations relative to the soil type (e.g., gravel, coarse sand, fine sand, etc.) and grain size characteristics (e.g., size sorting, and texture) will be noted. Other observations, including sedimentary structures, organic matter, and moisture will also be documented. The soft dig soil cuttings and the recovered soil cores will also be screened using a PID.

- The samples recovered from each sampling interval at the 10 delineation borings will be containerized in clean laboratory-supplied glassware and submitted to Eurofins in Amherst, New York. The recovered soil samples for the shallow interval (material from the first soil encountered beneath asphalt/pavement to a depth of 0.5 feet) and from at least one other interval at each boring location (selected by Arcadis' onsite geologist) will initially be analyzed for PCBs using USEPA Method 8082. Additional samples from each boring may also be selected for laboratory analysis for PCBs based on elevated PID readings and/or observed impacts [e.g., staining or sheens). Samples that are not initially designated for PCB analysis will be archived for potential latter analysis based on the analytical results for the initial samples.
- The waste characterization soil borings will also be completed to the depth of refusal. However, waste characterization soil samples will only be collected from grade to the anticipated depth of excavation at each location. Soil recovered at waste characterization boring WC-1 will used to form one composite sample from grade to a depth of approximately 7 feet. Soil from waste characterization soil boring WC-2 will be used to form a composite sample from grade to a depth of approximately 2 feet. Each waste characterization composite sample will be submitted to Eurofins for laboratory analysis of Toxicity Characteristic Leaching Procedure (TCLP) metals, TCLP volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCs), reactivity, corrosivity, and ignitability.
- Soil cuttings, disposable sampling equipment, used personal protective equipment, and
 decontamination water generated during the field sampling activities will be containerized in 55-gallon
 drums. The drums will be labeled appropriately based on their contents and will be staged onsite for
 subsequent transportation and offsite disposal by National Grid's waste disposal Contractor.

Analytical results for samples that are analyzed for PCBs will be reported using NYSDEC Analytical Services Protocol Category B data deliverables. Following receipt of the PCB analytical results from the laboratory, An Arcadis data validator will review the results and prepare a DUSR for each SDG.

SWMU ASSESSMENT REPORT

GWS Activities

Arcadis will conduct a GWS of the DK-21 storage yard area where excavation activities are proposed, including proposed PCB soil excavations, excavations for new storm sewer catch basins, and excavation of subbase material as part of the DK-21 paving project. The extent of the proposed GWS for the DK-21 storage yard area is shown on Figure 5. The GWS will be conducted under Arcadis' Nuclear Regulatory Commission (NRC) Radioactive Materials License No. 05-35250-1. Arcadis will apply to the New York State Department of Health (NSDOH) for a 30-day reciprocity approval of our NRC Radioactive Materials License at least one week prior to the planed start of the GWS. Arcadis will conduct the GWS using the following approach which has been implemented by Arcadis at other sites with known or suspected TENORM issues:

- The GWS will be conducted using a detection system consisting of a 2-inch by 2-inch sodium iodide scintillator (gamma probe Ludlum 44-10) coupled to a ratemeter/scaler (Ludlum-2221). The probe will be held from 5 to 15-centimeters above the ground while moving forward at 0.5 meters per second or less along a transect covering the transect area. The forward speed (0.5 meter per second) assures that the minimum detectable count rate is sufficient to meet regulatory limits for common gamma emitters such as Radium-226 from NORM. Transects will be approximately 1 meter apart across the entire newly-identified SWMU area (approximately 1.1-acre). Arcadis will also identify and survey at least two background areas (ranging between five and ten square meters in size) in close proximity to the newly-identified SWMU area.
- The detection system will be connected to a GPS (via Bluetooth) and computer tablet. The tablet uses an application developed by CoPhysics called SitePAD which records the coordinates and gamma count rate readings at 1 second intervals as the transects are traversed. SitePAD is preloaded with site data such as the boundaries and transects. While conducting the GWS, SitePAD displays the results in real time for accurate transect spacing, and allows field personnel to quickly identify areas with elevated gamma readings. The survey results in a real time color-coded map illustrating the spatial distribution of gamma exposure counts.

If the GWS identifies any areas in the DK-21 storage yard with TENORM levels exceeding 1.5 times the background screening results, then National Grid will coordinate with the NYSDEC to develop a radiological sampling plan for the soil to be excavated in the storage yard.

The results of the PDI soil borings and GWS will be included in a PDI Report attached to the CAP. The PDI Report will include a summary of the sampling efforts, data summary tables and figures, DUSRs, and waste disposal documentation.

Following receipt of NYSDEC approval of this SWMU Assessment Report, National Grid will proceed with the implementation of the PDI field activities described above. National Grid will notify the NYSDEC at least two weeks prior to initiating any onsite field activities.

5 References

G. M. Hopkins, C.E., 1891. Atlas of the Cit of Buffalo, New York. 1891.

NYSDEC, 2008. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1), Reissued June 1998 and addended April 2000 and June 2004.

NYSDEC, 2010a. DER-10 Technical Guidance for Site Investigation and Remediation. May 3, 2010.

NYSDEC, 2022, Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substations. November 2022. 2014.

NYSDOH, 2010. Generic Community Air Monitoring Plan (Appendix 1A to NYSDEC DER-10). May 3, 2010.

10

Tables

Table 1
Summary of Soil Sample Analytical Results

| Location ID: Sample Depth(Feet): | DER10 | | B-1 1.2 - 1.7 | B-1 1.7 - 3.7 | B-2 1.3 - 1.8 | B-2 1.8 - 3.8 | B-2 3.8 - 5.87 | B-2 5.8 - 7 | B-3 0.4 - 1.9 | B-3 3.9 - 5.9 |
|-------------------------------------|------------|-------|------------------|------------------|------------------|------------------|-------------------|----------------|------------------|------------------|
| Date Collected: | Commercial | | 02/16/22 | 02/16/22 | 02/15/22 | 02/15/22 | 02/15/22 | 02/15/22 | 02/10/22 | 02/10/22 |
| Sample Name: | Use SCO | Units | B-1 (1.2-1.7) | B-1 (1.7-3.7) | B-2 (1.3-1.8) | B-2 (1.8-3.8) | B-2 (3.8-5.87) | B-2 (5.8-7.0) | B-3 (1.4-1.9) | B-3 (3.9-5.9) |
| PCBs (ppm) | | | | | | | | | | |
| PCB-1016 | | mg/kg | 0.20 U | 0.20 U | 2.3 U | 2.8 U | 0.53 U | 5,100 UJ | 0.27 U | 0.21 U |
| PCB-1221 | | mg/kg | 0.20 U | 0.20 U | 2.3 U | 2.8 U | 0.53 U | 5,100 UJ | 0.27 U | 0.21 U |
| PCB-1232 | | mg/kg | 0.20 U | 0.20 U | 2.3 U | 2.8 U | 0.53 U | 5,100 UJ | 0.27 U | 0.21 U |
| PCB-1242 | | mg/kg | 0.20 U | 0.20 U | 2.3 U | 2.8 U | 0.53 U | 50,000 J | 0.27 U | 0.13 J |
| PCB-1248 | | mg/kg | 4.7 | 0.24 | 35 J | 15 | 1.6 | 5,100 UJ | 9.0 | 0.21 U |
| PCB-1254 | | mg/kg | 0.20 U | 0.20 U | 2.3 U | 2.8 U | 0.53 U | 5,100 UJ | 0.27 U | 0.21 U |
| PCB-1260 | | mg/kg | 0.20 U | 0.20 U | 2.3 U | 2.8 U | 0.53 U | 5,100 UJ | 0.27 U | 0.21 U |
| Total PCBs | 1 | mg/kg | 4.7 | 0.24 | 35 J | 15 | 1.6 | 50,000 J | 9.0 | 0.13 J |
| PFAS (ppb) | | | | | | | | | | |
| 6:2 Fluorotelomer sulfonic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| 8:2 Fluorotelomer sulfonic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| NEtFOSAA | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| NMeFOSAA | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorobutanoic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorodecanesulfonic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorodecanoic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorododecanoic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluoroheptanesulfonic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluoroheptanoic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorohexanesulfonic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorohexanoic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorononanoic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorooctanesulfonamide | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorooctanesulfonic acid | 440 | ng/g | NA | NA | 0.056 J | NA | NA | NA | NA | NA |
| Perfluorooctanoic acid | 500 | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluoropentanoic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorotetradecanoic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluorotridecanoic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Perfluoroundecanoic acid | | ng/g | NA | NA | 0.23 U | NA | NA | NA | NA | NA |
| Total PFAS | | ng/g | NA | NA | 0.056 J | NA | NA | NA | NA | NA |
| SVOCs (ppb) | | | | | | | | | | |
| 1,4-Dioxane | 130,000 | ug/kg | NA | NA | 550 U | NA | NA | NA | NA | NA |

Table 1
Summary of Soil Sample Analytical Results

| Location ID: | | | B-4 | B-4 | B-4 | B-5 | B-5 | B-6 | B-6 | B-7 |
|---------------------------------|------------|-------|---------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Sample Depth(Feet): | DER10 | | 1 - 1.5 | 1.5 - 3.5 | 3.5 - 5.5 | 0.7 - 1.2 | 3.2 - 5.2 | 1 - 1.5 | 1.5 - 3.5 | 1.2 - 1.7 |
| Date Collected: | Commercial | | 02/10/22 | 02/10/22 | 02/10/22 | 02/08/22 | 02/08/22 | 02/16/22 | 02/16/22 | 02/15/22 |
| Sample Name: | Use SCO | Units | B-4 (1.0-1.5) | B-4 (1.5-3.5) | B-4 (3.5-5.5) | B-5 (0.7-1.2) | B-5 (3.2-5.2) | B-6 (1.0-1.5) | B-6 (1.5-3.5) | B-7 (1.2-1.7) |
| PCBs (ppm) | | | | | | | | | | |
| PCB-1016 | | mg/kg | 1.1 UJ | NA | 0.25 U | 11 UJ | 0.27 U | 0.24 U | 0.28 U | 0.24 U |
| PCB-1221 | | mg/kg | 1.1 UJ | NA | 0.25 U | 11 UJ | 0.27 U | 0.24 U | 0.28 U | 0.24 U |
| PCB-1232 | | mg/kg | 1.1 UJ | NA | 0.25 U | 11 UJ | 0.27 U | 0.24 U | 0.28 U | 0.24 U |
| PCB-1242 | | mg/kg | 14 J | NA | 0.66 | 62 J | 0.27 U | 0.34 | 0.28 J | 0.24 U |
| PCB-1248 | | mg/kg | 1.1 UJ | NA | 0.25 U | 11 UJ | 0.27 U | 0.24 U | 0.28 U | 6.4 |
| PCB-1254 | | mg/kg | 1.1 UJ | NA | 0.25 U | 11 UJ | 0.27 U | 0.24 U | 0.28 U | 0.24 U |
| PCB-1260 | | mg/kg | 1.1 UJ | NA | 0.25 U | 11 UJ | 0.27 U | 0.24 U | 0.28 U | 0.24 U |
| Total PCBs | 1 | mg/kg | 14 J | NA | 0.66 | 62 J | 0.27 U | 0.34 | 0.28 J | 6.4 |
| PFAS (ppb) | | | | | | | | | | |
| 6:2 Fluorotelomer sulfonic acid | | ng/g | NA | 0.39 [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| 8:2 Fluorotelomer sulfonic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| NEtFOSAA | | ng/g | NA | 0.036 J [0.047 J] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| NMeFOSAA | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorobutanoic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorodecanesulfonic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorodecanoic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorododecanoic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluoroheptanesulfonic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluoroheptanoic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorohexanesulfonic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorohexanoic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorononanoic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorooctanesulfonamide | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorooctanesulfonic acid | 440 | ng/g | NA | 0.057 J [0.065 J] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorooctanoic acid | 500 | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.030 J | 0.033 J | NA | NA |
| Perfluoropentanoic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorotetradecanoic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluorotridecanoic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Perfluoroundecanoic acid | | ng/g | NA | 0.26 U [0.35 U] | NA | NA | 0.25 U | 0.24 U | NA | NA |
| Total PFAS | | ng/g | NA | 0.48 J [0.46 J] | NA | NA | 0.030 J | 0.033 J | NA | NA |
| SVOCs (ppb) | | | | | | | | | | |
| 1,4-Dioxane | 130,000 | ug/kg | NA | 640 U [870 U] | NA | NA | 120 U | 120 U | NA | NA |

Table 1
Summary of Soil Sample Analytical Results

| Location ID: Sample Depth(Feet): | DER10 | | B-7 1.7 - 3.7 | B-7 3.7 - 5.1 | B-8 1.5 - 2 | B-8 2 - 4 | B-9 1 - 1.5 | B-9 3.5 - 5.5 | B-10 1.1 - 1.6 | B-10 3.6 - 5.6 |
|----------------------------------|------------|-------|------------------|------------------|----------------|---------------|----------------|------------------|-------------------|-------------------|
| Date Collected: | Commercial | | 02/15/22 | 02/15/22 | 02/14/22 | 02/14/22 | 02/10/22 | 02/10/22 | 02/08/22 | 02/08/22 |
| Sample Name: | Use SCO | Units | B-7 (1.7-3.7) | B-7 (3.7-5.1) | B-8 (1.5-2.0) | B-8 (2.0-4.0) | B-9 (1.0-1.5) | B-9 (3.5-5.5) | B-10 (1.1-1.6) | B-10 (3.6-5.6) |
| PCBs (ppm) | | | | | | | | | | |
| PCB-1016 | | mg/kg | NA | 0.22 U | 2.6 U | 0.30 UJ | 1.2 UJ | 0.23 U | 14 UJ [13 UJ] | 0.29 U |
| PCB-1221 | | mg/kg | NA | 0.22 U | 2.6 U | 0.30 UJ | 1.2 UJ | 0.23 U | 14 UJ [13 UJ] | 0.29 U |
| PCB-1232 | | mg/kg | NA | 0.22 U | 2.6 U | 0.30 UJ | 1.2 UJ | 0.23 U | 14 UJ [13 UJ] | 0.29 U |
| PCB-1242 | | mg/kg | NA | 0.22 U | 41 | 3.3 J | 14 J | 0.15 J | 110J [110J] | 0.35 J |
| PCB-1248 | | mg/kg | NA | 0.22 U | 2.6 U | 0.30 UJ | 1.2 UJ | 0.23 U | 14 UJ [13 UJ] | 0.29 U |
| PCB-1254 | | mg/kg | NA | 0.22 U | 2.6 U | 0.30 UJ | 1.2 UJ | 0.23 U | 14 UJ [13 UJ] | 0.29 U |
| PCB-1260 | | mg/kg | NA | 0.22 U | 2.6 U | 0.30 UJ | 1.2 UJ | 0.29 | 14 UJ [13 UJ] | 0.29 U |
| Total PCBs | 1 | mg/kg | NA | 0.22 U | 41 | 3.3 J | 14 J | 0.44 J | 110J [110J] | 0.35 J |
| PFAS (ppb) | | | | | | | | | | |
| 6:2 Fluorotelomer sulfonic acid | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| 8:2 Fluorotelomer sulfonic acid | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| NEtFOSAA | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| NMeFOSAA | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| Perfluorobutanoic acid | | ng/g | 0.031 J | NA | NA | NA | NA | NA | NA | NA |
| Perfluorodecanesulfonic acid | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| Perfluorodecanoic acid | | ng/g | 0.031 J | NA | NA | NA | NA | NA | NA | NA |
| Perfluorododecanoic acid | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| Perfluoroheptanesulfonic acid | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| Perfluoroheptanoic acid | | ng/g | 0.039 J | NA | NA | NA | NA | NA | NA | NA |
| Perfluorohexanesulfonic acid | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| Perfluorohexanoic acid | | ng/g | 0.049 J | NA | NA | NA | NA | NA | NA | NA |
| Perfluorononanoic acid | | ng/g | 0.10 J | NA | NA | NA | NA | NA | NA | NA |
| Perfluorooctanesulfonamide | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| Perfluorooctanesulfonic acid | 440 | ng/g | 0.22 J | NA | NA | NA | NA | NA | NA | NA |
| Perfluorooctanoic acid | 500 | ng/g | 0.11 J | NA | NA | NA | NA | NA | NA | NA |
| Perfluoropentanoic acid | | ng/g | 0.031 J | NA | NA | NA | NA | NA | NA | NA |
| Perfluorotetradecanoic acid | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| Perfluorotridecanoic acid | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| Perfluoroundecanoic acid | | ng/g | 0.25 U | NA | NA | NA | NA | NA | NA | NA |
| Total PFAS | | ng/g | 0.61 J | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ppb) | | | | | | | | | | |
| 1,4-Dioxane | 130,000 | ug/kg | 130 U | NA | NA | NA | NA | NA | NA | NA |

Table 1
Summary of Soil Sample Analytical Results

| Location ID: | | | B-11 | B-11 | B-12 | B-12 | B-13 | B-13 | B-14 | |
|---------------------------------|------------|-------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| Sample Depth(Feet): | DER10 | | 1.2 - 1.7 | 3.7 - 5.7 | 1.3 - 1.8 | 3.8 - 5.8 | 1.1 - 1.6 | 3.6 - 5.6 | 1.3 - 1.8 | |
| Date Collected: | Commercial | | 02/16/22 | 02/16/22 | 02/15/22 | 02/15/22 | 02/10/22 | 02/10/22 | 02/09/22 | |
| Sample Name: | Use SCO | Units | B-11 (1.2-1.7) | B-11 (3.7-5.7) | B-12 (1.3-1.8) | B-12 (3.8-5.8) | B-13 (1.1-1.6) | B-13 (3.6-5.6) | B-14 (1.3-1.8) | |
| PCBs (ppm) | | | | | | | | | | |
| PCB-1016 | | mg/kg | 0.23 U [0.21 U] | 0.23 U | 2.7 U | 0.26 U | 2.4 UJ | 0.24 U | 1.3 UJ | |
| PCB-1221 | | mg/kg | 0.23 U [0.21 U] | 0.23 U | 2.7 U | 0.26 U | 2.4 UJ | 0.24 U | 1.3 UJ | |
| PCB-1232 | | mg/kg | 0.23 U [0.21 U] | 0.23 U | 2.7 U | 0.26 U | 2.4 UJ | 0.24 U | 1.3 UJ | |
| PCB-1242 | | mg/kg | 0.41 [0.21 U] | 0.50 | 2.7 U | 0.26 U | 1.9 J | 0.24 | 1.3 UJ | |
| PCB-1248 | | mg/kg | 0.23 U [0.21 U] | 0.23 U | 25 J | 0.26 U | 2.4 UJ | 0.24 U | 13 J | |
| PCB-1254 | | mg/kg | 0.23 U [0.21 U] | 0.23 U | 2.7 U | 0.26 U | 2.4 UJ | 0.24 U | 1.3 UJ | |
| PCB-1260 | | mg/kg | 0.23 U [0.21 U] | 0.23 U | 2.7 U | 0.26 U | 34J | 0.16 J | 1.3 UJ | |
| Total PCBs | 1 | mg/kg | 0.41 [ND] | 0.50 | 25 J | 0.26 U | 36 J | 0.40 J | 13 J | |
| PFAS (ppb) | | | | | | | | | | |
| 6:2 Fluorotelomer sulfonic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| 8:2 Fluorotelomer sulfonic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| NEtFOSAA | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| NMeFOSAA | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorobutanoic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorodecanesulfonic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorodecanoic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorododecanoic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluoroheptanesulfonic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluoroheptanoic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorohexanesulfonic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorohexanoic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorononanoic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorooctanesulfonamide | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorooctanesulfonic acid | 440 | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorooctanoic acid | 500 | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluoropentanoic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorotetradecanoic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluorotridecanoic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Perfluoroundecanoic acid | | ng/g | NA | NA | NA | NA | NA | 0.25 U | NA | |
| Total PFAS | | ng/g | NA | NA | NA | NA | NA | 0.51 U | NA | |
| SVOCs (ppb) | | | | | | | | | | |
| 1,4-Dioxane | 130,000 | ug/kg | NA | NA | NA | NA | NA | 120 U | NA | |

Table 1
Summary of Soil Sample Analytical Results

| Location ID: Sample Depth(Feet): | DER10 | | B-14 3.8 - 5.8 | B-15 1 - 1.5 | B-15 5.5 - 7.5 | B-16 1.2 - 1.7 | B-16 1.7 - 3.7 | B-16 3.7 - 5.7 | B-17 1.3 - 1.8 |
|-------------------------------------|------------|-------|-------------------|-----------------|-------------------|-------------------|-------------------|-------------------|-----------------------|
| Date Collected: | Commercial | | 02/09/22 | 02/08/22 | 02/08/22 | 02/16/22 | 02/16/22 | 02/16/22 | 02/15/22 |
| Sample Name: | Use SCO | Units | B-14 (3.8-5.8) | B-15 (1.0-1.5) | B-15 (5.5-7.5) | B-16 (1.2-1.7) | B-16 (1.7-3.7) | B-16 (3.7-5.7) | B-17 (1.3-1.8) |
| PCBs (ppm) | Use SCO | Omto | D 14 (0.0 0.0) | D 10 (1.0 1.0) | D 10 (0.0 1.0) | D 10 (1.2 1.1) | D 10 (1.7 0.7) | D 10 (0.7 0.7) | <i>B</i> 17 (1.0 1.0) |
| PCB-1016 | | mg/kg | 2.8 UJ | 1.4 U | 2.5 U | 0.22 U | NA | 0.32 U | 0.27 U |
| PCB-1221 | | mg/kg | 2.8 UJ | 1.4 U | 2.5 U | 0.22 U | NA | 0.32 U | 0.27 U |
| PCB-1232 | | mg/kg | 2.8 UJ | 1.4 U | 2.5 U | 0.22 U | NA | 0.32 U | 0.27 U |
| PCB-1242 | | mg/kg | 29 J | 1.4 U | 36 | 1.5 | NA | 8.5 | 0.27 U |
| PCB-1248 | | mg/kg | 2.8 UJ | 19 J | 2.5 U | 0.22 U | NA | 0.32 U | 0.27 U |
| PCB-1254 | | mg/kg | 2.8 UJ | 1.4 U | 2.5 U | 0.22 U | NA | 0.32 U | 0.27 U |
| PCB-1260 | | mg/kg | 2.8 UJ | 1.4 U | 2.5 U | 0.22 U | NA | 0.32 U | 0.27 U |
| Total PCBs | 1 | mg/kg | 29 J | 19 J | 36 | 1.5 | NA | 8.5 | 0.27 U |
| PFAS (ppb) | | | | | | | | | |
| 6:2 Fluorotelomer sulfonic acid | | ng/g | 1.0 | NA | NA | NA | 0.24 U | NA | NA |
| 8:2 Fluorotelomer sulfonic acid | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| NEtFOSAA | | ng/g | 0.035 J | NA | NA | NA | 0.24 U | NA | NA |
| NMeFOSAA | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluorobutanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluorodecanesulfonic acid | | ng/g | 0.24 U | NA | NA | NA | 0.13 J | NA | NA |
| Perfluorodecanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.038 J | NA | NA |
| Perfluorododecanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.15 J | NA | NA |
| Perfluoroheptanesulfonic acid | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluoroheptanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluorohexanesulfonic acid | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluorohexanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluorononanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluorooctanesulfonamide | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluorooctanesulfonic acid | 440 | ng/g | 0.12 J | NA | NA | NA | 0.16 J | NA | NA |
| Perfluorooctanoic acid | 500 | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluoropentanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluorotetradecanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.029 J | NA | NA |
| Perfluorotridecanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.24 U | NA | NA |
| Perfluoroundecanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.067 J | NA | NA |
| Total PFAS | | ng/g | 1.2 J | NA | NA | NA | 0.57 J | NA | NA |
| SVOCs (ppb) | | | | | | | | | |
| 1,4-Dioxane | 130,000 | ug/kg | 120 U | NA | NA | NA | 120 U | NA | NA |

Table 1
Summary of Soil Sample Analytical Results

| Location ID: | | | B-17 | B-18 | B-18 | B-18 | B-19 | B-19 | B-20 |
|---------------------------------|------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sample Depth(Feet): | DER10 | | 3.8 - 5.8 | 1.2 - 1.7 | 1.7 - 3.7 | 3.7 - 5.7 | 1.3 - 1.8 | 3.8 - 5.8 | 1.9 - 2.4 |
| Date Collected: | Commercial | 11 | 02/15/22 | 02/09/22 | 02/09/22 | 02/09/22 | 02/09/22 | 02/09/22 | 02/08/22 |
| Sample Name: | Use SCO | Units | B-17 (3.8-5.8) | B-18 (1.2-1.7) | B-18 (1.7-3.7) | B-18 (3.7-5.7) | B-19 (1.3-1.8) | B-19 (3.8-5.8) | B-20 (1.9-2.4) |
| PCBs (ppm) | | | | | | | | | |
| PCB-1016 | | mg/kg | NA | 0.25 U | 0.22 U | 0.26 U | 5.2 U | 0.24 U | 0.21 U |
| PCB-1221 | | mg/kg | NA | 0.25 U | 0.22 U | 0.26 U | 5.2 U | 0.24 U | 0.21 U |
| PCB-1232 | | mg/kg | NA | 0.25 U | 0.22 U | 0.26 U | 5.2 U | 0.24 U | 0.21 U |
| PCB-1242 | | mg/kg | NA | 0.25 U | 0.22 U | 0.26 U | 5.2 U | 0.80 | 0.21 U |
| PCB-1248 | | mg/kg | NA | 4.0 | 0.22 U | 0.26 U | 83 J | 0.24 U | 0.21 U |
| PCB-1254 | - | mg/kg | NA | 0.25 U | 0.51 | 0.26 U | 5.2 U | 0.24 U | 0.21 U |
| PCB-1260 | | mg/kg | NA | 0.25 U | 0.22 U | 0.26 U | 5.2 U | 0.24 U | 0.17 J |
| Total PCBs | 1 | mg/kg | NA | 4.0 | 0.51 | 0.26 U | 83 J | 0.80 | 0.17 J |
| PFAS (ppb) | | | | | | | | | |
| 6:2 Fluorotelomer sulfonic acid | | ng/g | 0.26 U | NA | 0.61 | NA | NA | NA | NA |
| 8:2 Fluorotelomer sulfonic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| NEtFOSAA | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| NMeFOSAA | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluorobutanoic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluorodecanesulfonic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluorodecanoic acid | | ng/g | 0.26 U | NA | 0.077 J | NA | NA | NA | NA |
| Perfluorododecanoic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluoroheptanesulfonic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluoroheptanoic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluorohexanesulfonic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluorohexanoic acid | - | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluorononanoic acid | | ng/g | 0.032 J | NA | 0.22 U | NA | NA | NA | NA |
| Perfluorooctanesulfonamide | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluorooctanesulfonic acid | 440 | ng/g | 0.061 J | NA | 0.66 | NA | NA | NA | NA |
| Perfluorooctanoic acid | 500 | ng/g | 0.074 J | NA | 0.033 J | NA | NA | NA | NA |
| Perfluoropentanoic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluorotetradecanoic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluorotridecanoic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Perfluoroundecanoic acid | | ng/g | 0.26 U | NA | 0.22 U | NA | NA | NA | NA |
| Total PFAS | | ng/g | 0.17 J | NA | 1.4 J | NA | NA | NA | NA |
| SVOCs (ppb) | | | | | | | | | |
| 1,4-Dioxane | 130,000 | ug/kg | 130 U | NA | 110 U | NA | NA | NA | NA |

Table 1
Summary of Soil Sample Analytical Results

| Location ID: Sample Depth(Feet): | DER10 | | B-20 4.4 - 6.4 | B-21 1.2 - 1.7 | B-21 3.7 - 5.7 | B-22 0.8 - 1.3 | B-22 3.3 - 5.3 | B-22 5.3 - 7.3 | B-23 0.8 - 1.3 |
|-------------------------------------|------------|-------|-------------------|--------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Date Collected: | Commercial | | 02/08/22 | 02/14/22 | 02/14/22 | 02/14/22 | 02/14/22 | 02/14/22 | 02/08/22 |
| Sample Name: | Use SCO | Units | B-20 (4.4-6.4) | B-21 (1.2-1.7) | B-21 (3.7-5.7) | B-22 (0.8-1.3) | B-22 (3.3-5.3) | B-22 (5.3-7.3) | B-23 (0.8-1.3) |
| PCBs (ppm) | | | , | , | , | , | , | , | , , |
| PCB-1016 | | mg/kg | 0.26 U | 0.21 UJ [0.27 UJ] | 0.26 UJ | 2.1 U | NA | 0.23 UJ | 1.4 U |
| PCB-1221 | | mg/kg | 0.26 U | 0.21 UJ [0.27 UJ] | 0.26 UJ | 2.1 U | NA | 0.23 UJ | 1.4 U |
| PCB-1232 | | mg/kg | 0.26 U | 0.21 UJ [0.27 UJ] | 0.26 UJ | 2.1 U | NA | 0.23 UJ | 1.4 U |
| PCB-1242 | | mg/kg | 0.22 J | 0.21 UJ [0.27 UJ] | 0.26 UJ | 2.1 U | NA | 0.23 UJ | 1.4 U |
| PCB-1248 | | mg/kg | 0.26 U | 0.21 UJ [0.90J] | 0.26 UJ | 2.1 U | NA | 0.23 UJ | 1.4 U |
| PCB-1254 | | mg/kg | 0.26 U | 0.58J [0.27 UJ] | 0.26 UJ | 2.1 U | NA | 0.23 UJ | 1.4 U |
| PCB-1260 | | mg/kg | 0.26 U | 0.21 UJ [0.43J] | 0.26 UJ | 25 | NA | 0.23 UJ | 12 |
| Total PCBs | 1 | mg/kg | 0.22 J | 0.58J [1.3J] | 0.26 UJ | 25 | NA | 0.23 UJ | 12 |
| PFAS (ppb) | | | | | | | | | |
| 6:2 Fluorotelomer sulfonic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| 8:2 Fluorotelomer sulfonic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| NEtFOSAA | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| NMeFOSAA | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorobutanoic acid | | ng/g | 0.033 J | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorodecanesulfonic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorodecanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorododecanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluoroheptanesulfonic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluoroheptanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorohexanesulfonic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorohexanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorononanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorooctanesulfonamide | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorooctanesulfonic acid | 440 | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorooctanoic acid | 500 | ng/g | 0.047 J | NA | NA | NA | 0.055 J | NA | NA |
| Perfluoropentanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorotetradecanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluorotridecanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Perfluoroundecanoic acid | | ng/g | 0.24 U | NA | NA | NA | 0.21 U | NA | NA |
| Total PFAS | | ng/g | 0.080 J | NA | NA | NA | 0.055 J | NA | NA |
| SVOCs (ppb) | | | | | | | | | |
| 1,4-Dioxane | 130,000 | ug/kg | 120 U | NA | NA | NA | 110 U | NA | NA |

Table 1
Summary of Soil Sample Analytical Results

| Location ID: | | | B-23 | B-24 | B-24 | B-25 | B-25 | B-26 | B-26 | B-27 |
|---------------------------------|------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------|------------------|
| Sample Depth(Feet): | DER10 | | 5.3 - 7.3 | 1.2 - 1.7 | 3.2 - 5.0 | 1.0 - 1.5 | 3.0 - 4.2 | 1.0 - 1.5 | 3.0 - 4.2 | 0.75 - 1.25 |
| Date Collected: | Commercial | | 02/08/22 | 12/21/22 | 12/21/22 | 21/21/22 | 12/21/22 | 12/20/22 | 12/20/22 | 12/19/22 |
| Sample Name: | Use SCO | Units | B-23 (5.3-7.3) | B-24 (1.2-1.7) | B-24 (3.2-5.0) | B-25 (1.0-1.5) | B-25 (3.0-4.2) | B-26 (1.0-1.5) | B-26 (3.0-4.2) | B-27 (0.75-1.25) |
| PCBs (ppm) | | | | | | | | | | |
| PCB-1016 | | mg/kg | 0.30 U | 56 U | 21 UJ [28 UJ] | 1.8 U | 0.23 U | 0.30 U | 0.27 U [0.23 U] | 2.7 U |
| PCB-1221 | | mg/kg | 0.30 U | 56 U | 21 UJ [28 UJ] | 1.8 U | 0.23 U | 0.30 U | 0.27 U [0.23 U] | 2.7 U |
| PCB-1232 | | mg/kg | 0.30 U | 56 U | 21 UJ [28 UJ] | 1.8 U | 0.23 U | 0.30 U | 0.27 U [0.23 U] | 2.7 U |
| PCB-1242 | - | mg/kg | 0.30 U | 1,600 | 600 J [300 J] | 19 | 0.23 U | 3.0 | 0.31 [0.023 U] | 27 |
| PCB-1248 | - | mg/kg | 0.30 U | 56 U | 21 UJ [28 UJ] | 1.8 U | 0.23 U | 0.30 U | 0.27 U [0.23 U] | 2.7 U |
| PCB-1254 | | mg/kg | 0.30 U | 56 U | 21 UJ [28 UJ] | 1.8 U | 0.23 U | 0.30 U | 0.27 U [0.23 U] | 2.7 U |
| PCB-1260 | | mg/kg | 0.30 U | 56 U | 21 UJ [28 UJ] | 2.3 | 0.23 U | 0.30 U | 0.27 U [0.23 U] | 2.4 J |
| Total PCBs | 1 | mg/kg | 0.30 U | 1,600 | 600 J [300 J] | 21.3 | 0.23 U | 3.0 | 0.31 [0.073 J] | 29.4 J |
| PFAS (ppb) | | | | | | | | | | |
| 6:2 Fluorotelomer sulfonic acid | - | ng/g | NA | NA |
| 8:2 Fluorotelomer sulfonic acid | - | ng/g | NA | NA |
| NEtFOSAA | - | ng/g | NA | NA |
| NMeFOSAA | | ng/g | NA | NA |
| Perfluorobutanoic acid | | ng/g | NA | NA |
| Perfluorodecanesulfonic acid | | ng/g | NA | NA |
| Perfluorodecanoic acid | - | ng/g | NA | NA |
| Perfluorododecanoic acid | - | ng/g | NA | NA |
| Perfluoroheptanesulfonic acid | | ng/g | NA | NA |
| Perfluoroheptanoic acid | | ng/g | NA | NA |
| Perfluorohexanesulfonic acid | | ng/g | NA | NA |
| Perfluorohexanoic acid | | ng/g | NA | NA |
| Perfluorononanoic acid | | ng/g | NA | NA |
| Perfluorooctanesulfonamide | | ng/g | NA | NA |
| Perfluorooctanesulfonic acid | 440 | ng/g | NA | NA |
| Perfluorooctanoic acid | 500 | ng/g | NA | NA |
| Perfluoropentanoic acid | | ng/g | NA | NA |
| Perfluorotetradecanoic acid | | ng/g | NA | NA |
| Perfluorotridecanoic acid | | ng/g | NA | NA |
| Perfluoroundecanoic acid | | ng/g | NA | NA |
| Total PFAS | | ng/g | NA | NA |
| SVOCs (ppb) | | | | | | | | | | |
| 1,4-Dioxane | 130,000 | ug/kg | NA | NA |

Table 1
Summary of Soil Sample Analytical Results

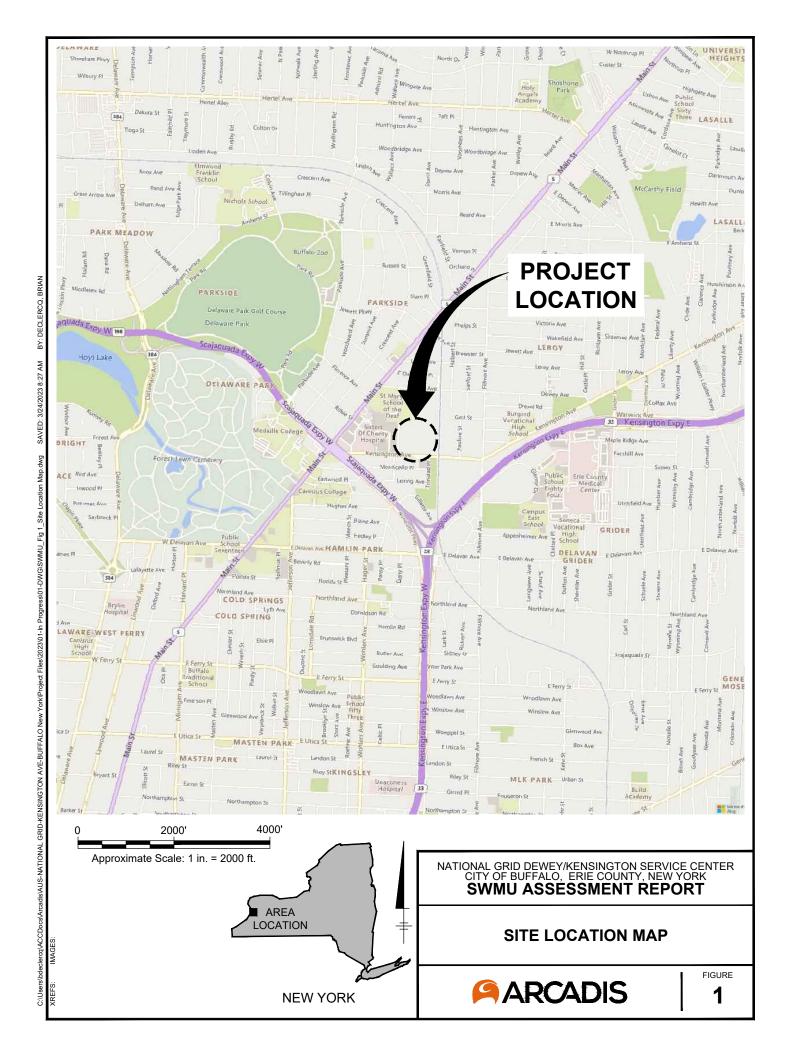
| Location ID: | | | B-27 | B-28 | B-28 | B-28 | B-29 | B-29 | B-30 | B-30 |
|---------------------------------|------------|-------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sample Depth(Feet): | DER10 | | 2.75 - 4.75 | 1.0 - 1.5 | 3.0 - 5.0 | 5.0 - 5.9 | 0.7 - 1.2 | 4.7 - 5.9 | 1.0 - 1.5 | 5.0 - 7.0 |
| Date Collected: | Commercial | | 12/19/22 | 12/20/22 | 12/20/22 | 12/20/22 | 12/20/22 | 12/20/22 | 12/20/22 | 12/20/22 |
| Sample Name: | Use SCO | Units | B-27 (2.75-4.75) | B-28 (1.0-1.5) | B-28 (3.0-5.0) | B-28 (5.0-5.9) | B-29 (0.7-1.2) | B-29 (4.7-5.9) | B-30 (1.0-1.5) | B-23 (5.0-7.0) |
| PCBs (ppm) | | | | | | | | | | |
| PCB-1016 | | mg/kg | 0.23 U | 22 UJ | 0.23 U | 21 UJ | 5.9 U | 0.21 U | 5.6 UJ | 0.24 U |
| PCB-1221 | | mg/kg | 0.23 U | 22 UJ | 0.23 U | 21 UJ | 5.9 U | 0.21 U | 5.6 UJ | 0.24 U |
| PCB-1232 | | mg/kg | 0.23 U | 22 UJ | 0.23 U | 21 UJ | 5.9 U | 0.21 U | 5.6 UJ | 0.24 U |
| PCB-1242 | | mg/kg | 0.23 U | 290 J | 4.6 | 570 J | 74 | 0.21 U | 72 J | 0.24 U |
| PCB-1248 | - | mg/kg | 0.23 U | 22 UJ | 0.23 U | 21 UJ | 5.9 U | 0.21 U | 5.6 UJ | 0.24 U |
| PCB-1254 | | mg/kg | 0.23 U | 22 UJ | 0.23 U | 21 UJ | 5.9 U | 0.21 U | 5.6 UJ | 0.24 U |
| PCB-1260 | | mg/kg | 0.23 U | 22 UJ | 0.23 U | 21 UJ | 5.9 U | 0.21 U | 5.6 UJ | 0.24 U |
| Total PCBs | 1 | mg/kg | 0.23 U | 290 J | 4.6 | 570 J | 74 | 0.21 U | 72 J | 0.24 U |
| PFAS (ppb) | | | | | | | | | | |
| 6:2 Fluorotelomer sulfonic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| 8:2 Fluorotelomer sulfonic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| NEtFOSAA | | ng/g | NA | | NA | NA | NA | NA | NA | NA |
| NMeFOSAA | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorobutanoic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorodecanesulfonic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorodecanoic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorododecanoic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluoroheptanesulfonic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluoroheptanoic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorohexanesulfonic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorohexanoic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorononanoic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorooctanesulfonamide | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorooctanesulfonic acid | 440 | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorooctanoic acid | 500 | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluoropentanoic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorotetradecanoic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluorotridecanoic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Perfluoroundecanoic acid | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PFAS | | ng/g | NA | NA | NA | NA | NA | NA | NA | NA |
| SVOCs (ppb) | | | | | | | | | | |
| 1,4-Dioxane | 130,000 | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA |

Table 1
Summary of Soil Sample Analytical Results

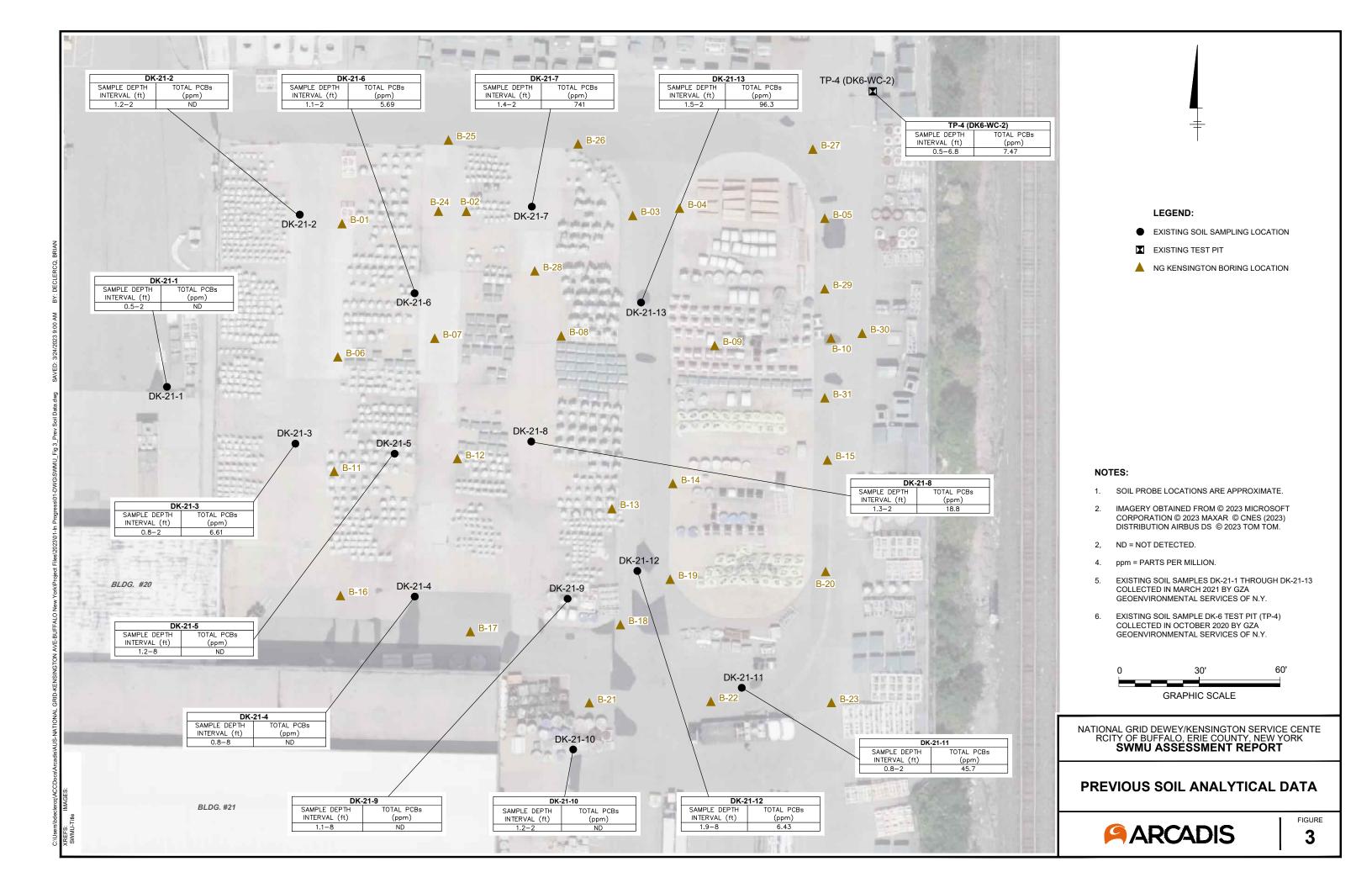
| Location ID: Sample Depth(Feet): Date Collected: Sample Name: | DER10 Commercial Use SCO | Units | B-31 1.0 - 1.5 12/20/22 B-31 (1.0-1.5) | B-31 5.0 - 7.0 12/20/22 B-31 (5.0-7.0) |
|--|--------------------------------|-------|---|---|
| PCBs (ppm) | | | | |
| PCB-1016 | | mg/kg | 0.25 U | 0.26 U |
| PCB-1221 | | mg/kg | 0.25 U | 0.30 U |
| PCB-1232 | | mg/kg | 0.25 U | 0.30 U |
| PCB-1242 | | mg/kg | 18 | 0.26 U |
| PCB-1248 | | mg/kg | 0.25 U | 0.30 U |
| PCB-1254 | | mg/kg | 0.25 U | 0.30 U |
| PCB-1260 | | mg/kg | 1.4 J | 0.30 U |
| Total PCBs | 1 | mg/kg | 19.4 J | 0.26 U |
| PFAS (ppb) | | | | |
| 6:2 Fluorotelomer sulfonic acid | | ng/g | NA | NA |
| 8:2 Fluorotelomer sulfonic acid | | ng/g | NA | NA |
| NEtFOSAA | | ng/g | NA | NA |
| NMeFOSAA | | ng/g | NA | NA |
| Perfluorobutanoic acid | | ng/g | NA | NA |
| Perfluorodecanesulfonic acid | | ng/g | NA | NA |
| Perfluorodecanoic acid | | ng/g | NA | NA |
| Perfluorododecanoic acid | | ng/g | NA | NA |
| Perfluoroheptanesulfonic acid | | ng/g | NA | NA |
| Perfluoroheptanoic acid | | ng/g | NA | NA |
| Perfluorohexanesulfonic acid | | ng/g | NA | NA |
| Perfluorohexanoic acid | | ng/g | NA | NA |
| Perfluorononanoic acid | | ng/g | NA | NA |
| Perfluorooctanesulfonamide | | ng/g | NA | NA |
| Perfluorooctanesulfonic acid | 440 | ng/g | NA | NA |
| Perfluorooctanoic acid | 500 | ng/g | NA | NA |
| Perfluoropentanoic acid | | ng/g | NA | NA |
| Perfluorotetradecanoic acid | | ng/g | NA | NA |
| Perfluorotridecanoic acid | | ng/g | NA | NA |
| Perfluoroundecanoic acid | | ng/g | NA | NA |
| Total PFAS | | ng/g | NA | NA |
| SVOCs (ppb) | | | | |
| 1,4-Dioxane | 130,000 | ug/kg | NA | NA |

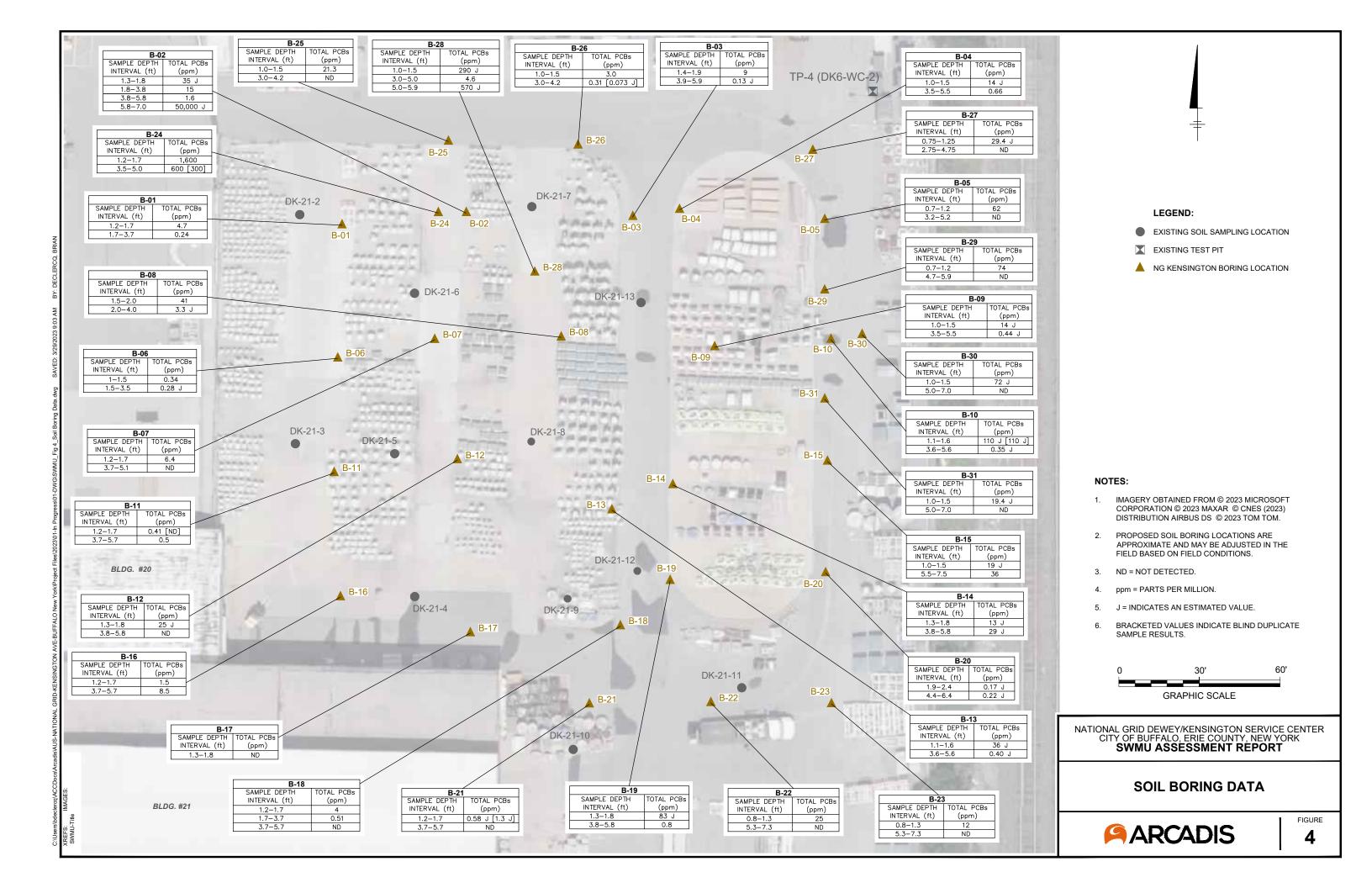
| Notes: | |
|--------|---|
| 1. | Bold vaule means compound was detected in sample |
| 2 | Shaded value means the detected concentration exceeds the referenced NYSDEC soil cleanup criteria |
| 3. | J = Estimated Value |
| | ND = Not Detected |
| 3. | ppm = part per million |
| 4. | ppb = parts per billion |

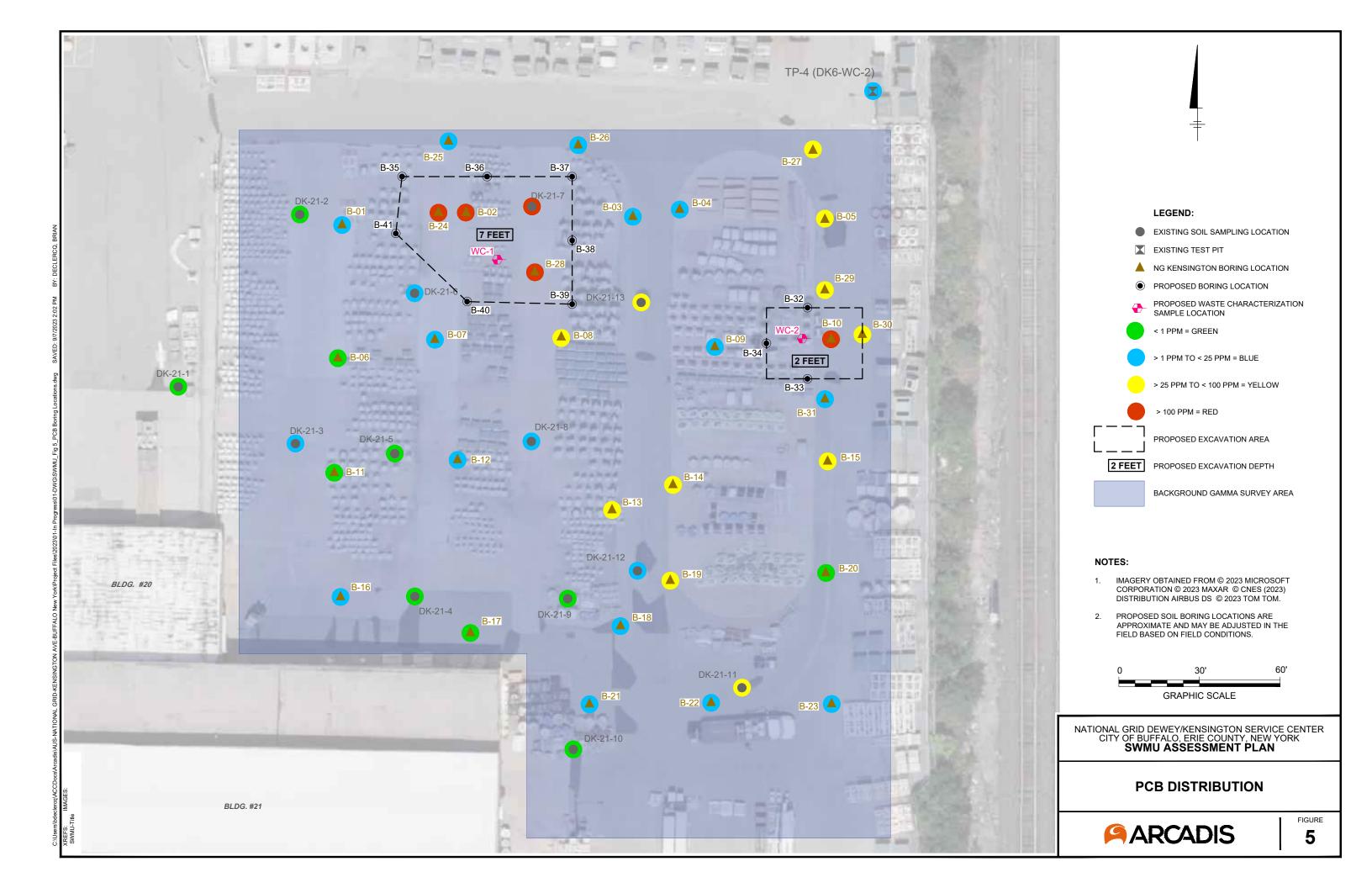
Figures











Appendix A

Preliminary Investigation Analytical Results



Analytical Report For

National Grid

For Lab Project ID

211229

Referencing

56912, Dewey-Kensington DK-21 WR#90000183727

Prepared

Tuesday, March 30, 2021

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

RKOZL

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-1-032921

Lab Sample ID:211229-01Date Sampled:3/29/2021Matrix:SoilDate Received:3/29/2021

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | | Qualifier | Date Analy | <u>vzed</u> |
|----------------------|------------------|--------------|---------------|------------------|-------------------|-------------|
| PCB-1016 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:03 |
| PCB-1221 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:03 |
| PCB-1232 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:03 |
| PCB-1242 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:03 |
| PCB-1248 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:03 |
| PCB-1254 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:03 |
| PCB-1260 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:03 |
| PCB-1262 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:03 |
| PCB-1268 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:03 |
| <u>Surrogate</u> | Percent Recovery | | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | 74. | 4 | 18.8 - 97.4 | : | 3/30/2021 | 09:03 |

Method Reference(s): EPA 8082A

EPA 3546



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-2-032921

Lab Sample ID:211229-02Date Sampled:3/29/2021Matrix:SoilDate Received:3/29/2021

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | | Qualifier | Date Analy | <u>vzed</u> |
|----------------------|------------------|--------------|---------------|------------------|-------------------|-------------|
| PCB-1016 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:26 |
| PCB-1221 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:26 |
| PCB-1232 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:26 |
| PCB-1242 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:26 |
| PCB-1248 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:26 |
| PCB-1254 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:26 |
| PCB-1260 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:26 |
| PCB-1262 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:26 |
| PCB-1268 | < 1.00 | mg/Kg | | | 3/30/2021 | 09:26 |
| <u>Surrogate</u> | Percent Recovery | | Limits | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | 69 | 0.9 | 18.8 - 97.4 | | 3/30/2021 | 09:26 |

Method Reference(s): EPA 8082A

EPA 3546



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-3-032921

Lab Sample ID:211229-03Date Sampled:3/29/2021Matrix:SoilDate Received:3/29/2021

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | | Qualifier | Date Analy | <u>vzed</u> |
|----------------------|---------------|--------------|---------------|------------------|-------------------|-------------|
| PCB-1016 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:30 |
| PCB-1221 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:30 |
| PCB-1232 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:30 |
| PCB-1242 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:30 |
| PCB-1248 | 6.61 | mg/Kg | | | 3/30/2021 | 12:30 |
| PCB-1254 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:30 |
| PCB-1260 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:30 |
| PCB-1262 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:30 |
| PCB-1268 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:30 |
| Surrogate | Percent F | Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | 64 | .1 | 18.8 - 97.4 | | 3/30/2021 | 12:30 |

Method Reference(s): EPA 8082A

EPA 3546



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-4-032921

Lab Sample ID:211229-04Date Sampled:3/29/2021Matrix:SoilDate Received:3/29/2021

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | | Qualifier | Date Analy | <u>vzed</u> |
|----------------------|------------------|--------------|---------------|------------------|-------------------|-------------|
| PCB-1016 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:03 |
| PCB-1221 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:03 |
| PCB-1232 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:03 |
| PCB-1242 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:03 |
| PCB-1248 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:03 |
| PCB-1254 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:03 |
| PCB-1260 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:03 |
| PCB-1262 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:03 |
| PCB-1268 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:03 |
| Surrogate | Percent Recovery | | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | 74. | 5 | 18.8 - 97.4 | | 3/30/2021 | 13:03 |

Method Reference(s): EPA 8082A

EPA 3546



Client: **National Grid**

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-5-032921

Lab Sample ID: **Date Sampled:** 3/29/2021 211229-05 **Matrix:** Soil **Date Received:** 3/29/2021

PCBs

| Analyte | <u>Result</u> | <u>Units</u> | | Qualifier | Date Analy | <u>yzed</u> |
|----------------------|---------------|--------------|---------------|------------------|-------------------|-------------|
| PCB-1016 | < 1.00 | mg/Kg | | | 3/30/2021 | 10:35 |
| PCB-1221 | < 1.00 | mg/Kg | | | 3/30/2021 | 10:35 |
| PCB-1232 | < 1.00 | mg/Kg | | | 3/30/2021 | 10:35 |
| PCB-1242 | < 1.00 | mg/Kg | | | 3/30/2021 | 10:35 |
| PCB-1248 | < 1.00 | mg/Kg | | | 3/30/2021 | 10:35 |
| PCB-1254 | < 1.00 | mg/Kg | | | 3/30/2021 | 10:35 |
| PCB-1260 | < 1.00 | mg/Kg | | | 3/30/2021 | 10:35 |
| PCB-1262 | < 1.00 | mg/Kg | | | 3/30/2021 | 10:35 |
| PCB-1268 | < 1.00 | mg/Kg | | | 3/30/2021 | 10:35 |
| <u>Surrogate</u> | Percent | Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | 7 | 9.9 | 18.8 - 97.4 | | 3/30/2021 | 10:35 |

Method Reference(s): EPA 8082A

EPA 3546



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-6-032921

Lab Sample ID:211229-06Date Sampled:3/29/2021Matrix:SoilDate Received:3/29/2021

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | | Qualifier | Date Analy | vzed |
|----------------------|------------------|--------------|---------------|------------------|-------------------|-------|
| PCB-1016 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:39 |
| PCB-1221 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:39 |
| PCB-1232 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:39 |
| PCB-1242 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:39 |
| PCB-1248 | 5.69 | mg/Kg | | | 3/30/2021 | 13:39 |
| PCB-1254 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:39 |
| PCB-1260 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:39 |
| PCB-1262 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:39 |
| PCB-1268 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:39 |
| <u>Surrogate</u> | Percent Recovery | | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | 69. | .2 | 18.8 - 97.4 | | 3/30/2021 | 13:39 |

Method Reference(s): EPA 8082A

EPA 3546



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-7-032921

Lab Sample ID:211229-07Date Sampled:3/29/2021Matrix:SoilDate Received:3/29/2021

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | | Qualifier | Date Analy | vzed |
|----------------------|------------------|--------------|---------------|------------------|-------------------|-------|
| PCB-1016 | < 67.9 | mg/Kg | | | 3/30/2021 | 12:53 |
| PCB-1221 | < 67.9 | mg/Kg | | | 3/30/2021 | 12:53 |
| PCB-1232 | < 67.9 | mg/Kg | | | 3/30/2021 | 12:53 |
| PCB-1242 | < 67.9 | mg/Kg | | | 3/30/2021 | 12:53 |
| PCB-1248 | 741 | mg/Kg | | | 3/30/2021 | 12:53 |
| PCB-1254 | < 67.9 | mg/Kg | | | 3/30/2021 | 12:53 |
| PCB-1260 | < 67.9 | mg/Kg | | | 3/30/2021 | 12:53 |
| PCB-1262 | < 67.9 | mg/Kg | | | 3/30/2021 | 12:53 |
| PCB-1268 | < 67.9 | mg/Kg | | | 3/30/2021 | 12:53 |
| <u>Surrogate</u> | Percent Recovery | | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | NO | C | 18.8 - 97.4 | | 3/30/2021 | 12:53 |

Method Reference(s): EPA 8082A

EPA 3546



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-8-032921

Lab Sample ID:211229-08Date Sampled:3/29/2021Matrix:SoilDate Received:3/29/2021

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | | Qualifier | Date Analy | <u>vzed</u> |
|----------------------|------------------|--------------|---------------|------------------|-------------------|-------------|
| PCB-1016 | < 1.73 | mg/Kg | | | 3/30/2021 | 13:16 |
| PCB-1221 | < 1.73 | mg/Kg | | | 3/30/2021 | 13:16 |
| PCB-1232 | < 1.73 | mg/Kg | | | 3/30/2021 | 13:16 |
| PCB-1242 | < 1.73 | mg/Kg | | | 3/30/2021 | 13:16 |
| PCB-1248 | 18.8 | mg/Kg | | | 3/30/2021 | 13:16 |
| PCB-1254 | < 1.73 | mg/Kg | | | 3/30/2021 | 13:16 |
| PCB-1260 | < 1.73 | mg/Kg | | | 3/30/2021 | 13:16 |
| PCB-1262 | < 1.73 | mg/Kg | | | 3/30/2021 | 13:16 |
| PCB-1268 | < 1.73 | mg/Kg | | | 3/30/2021 | 13:16 |
| Surrogate | Percent Recovery | | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | NO | 2 | 18.8 - 97.4 | | 3/30/2021 | 13:16 |

Method Reference(s): EPA 8082A

EPA 3546



Client: **National Grid**

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-9-032921

Lab Sample ID: **Date Sampled:** 3/29/2021 211229-09 **Matrix:** Soil **Date Received:** 3/29/2021

PCBs

| <u>Analyte</u> | Result | <u>Units</u> | | <u>Qualifier</u> | Date Analy | vzed |
|----------------------|------------------|--------------|---------------|------------------|-------------------|-------|
| PCB-1016 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:07 |
| PCB-1221 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:07 |
| PCB-1232 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:07 |
| PCB-1242 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:07 |
| PCB-1248 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:07 |
| PCB-1254 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:07 |
| PCB-1260 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:07 |
| PCB-1262 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:07 |
| PCB-1268 | < 1.00 | mg/Kg | | | 3/30/2021 | 12:07 |
| <u>Surrogate</u> | Percent Recovery | | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | 78 | 3.8 | 18.8 - 97.4 | | 3/30/2021 | 12:07 |

Method Reference(s): EPA 8082A

EPA 3546



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-10-032921

Lab Sample ID:211229-10Date Sampled:3/29/2021Matrix:SoilDate Received:3/29/2021

PCBs

| <u>Analyte</u> | Result | <u>Units</u> | | Qualifier | Date Analy | <u>yzed</u> |
|----------------------|------------------|--------------|---------------|------------------|-------------------|-------------|
| PCB-1016 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:28 |
| PCB-1221 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:28 |
| PCB-1232 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:28 |
| PCB-1242 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:28 |
| PCB-1248 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:28 |
| PCB-1254 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:28 |
| PCB-1260 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:28 |
| PCB-1262 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:28 |
| PCB-1268 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:28 |
| <u>Surrogate</u> | Percent Recovery | | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | 5 | 8.0 | 18.8 - 97.4 | | 3/30/2021 | 11:28 |

Method Reference(s): EPA 8082A

EPA 3546



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-11-032921

Lab Sample ID:211229-11Date Sampled:3/29/2021Matrix:SoilDate Received:3/29/2021

PCBs

| <u>Analyte</u> | Result | <u>Units</u> | | Qualifier | Date Analy | <u>yzed</u> |
|----------------------|------------------|--------------|---------------|------------------|-------------------|-------------|
| PCB-1016 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:52 |
| PCB-1221 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:52 |
| PCB-1232 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:52 |
| PCB-1242 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:52 |
| PCB-1248 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:52 |
| PCB-1254 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:52 |
| PCB-1260 | 45.7 | mg/Kg | | | 3/30/2021 | 13:27 |
| PCB-1262 | < 6.48 | mg/Kg | | | 3/30/2021 | 13:27 |
| PCB-1268 | < 1.00 | mg/Kg | | | 3/30/2021 | 11:52 |
| <u>Surrogate</u> | Percent Recovery | | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | 79 | .2 | 18.8 - 97.4 | | 3/30/2021 | 11:52 |

Aroclors 1260, 1262 analyzed at 1/50 dilution, data file PC102477.D

Method Reference(s): EPA 8082A

EPA 3546



Client: **National Grid**

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-12-032921

Lab Sample ID: **Date Sampled:** 3/29/2021 211229-12 **Matrix:** Soil **Date Received:** 3/29/2021

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | | Qualifier | Date Analy | <u>vzed</u> |
|----------------------|------------------|--------------|---------------|------------------|-------------------|-------------|
| PCB-1016 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:51 |
| PCB-1221 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:51 |
| PCB-1232 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:51 |
| PCB-1242 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:51 |
| PCB-1248 | 6.43 | mg/Kg | | | 3/30/2021 | 13:51 |
| PCB-1254 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:51 |
| PCB-1260 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:51 |
| PCB-1262 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:51 |
| PCB-1268 | < 1.00 | mg/Kg | | | 3/30/2021 | 13:51 |
| Surrogate | Percent Recovery | | Limits | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | 10 | 0 | 18.8 - 97.4 | * | 3/30/2021 | 13:51 |

Method Reference(s): EPA 8082A

EPA 3546



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-13-032921

Lab Sample ID:211229-13Date Sampled:3/29/2021Matrix:SoilDate Received:3/29/2021

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | | Qualifier | Date Analy | vzed |
|----------------------|---------------|--------------|---------------|------------------|-------------------|-------|
| PCB-1016 | < 12.8 | mg/Kg | | | 3/30/2021 | 14:15 |
| PCB-1221 | < 12.8 | mg/Kg | | | 3/30/2021 | 14:15 |
| PCB-1232 | < 12.8 | mg/Kg | | | 3/30/2021 | 14:15 |
| PCB-1242 | < 12.8 | mg/Kg | | | 3/30/2021 | 14:15 |
| PCB-1248 | 96.3 | mg/Kg | | | 3/30/2021 | 14:15 |
| PCB-1254 | < 12.8 | mg/Kg | | | 3/30/2021 | 14:15 |
| PCB-1260 | < 12.8 | mg/Kg | | | 3/30/2021 | 14:15 |
| PCB-1262 | < 12.8 | mg/Kg | | | 3/30/2021 | 14:15 |
| PCB-1268 | < 12.8 | mg/Kg | | | 3/30/2021 | 14:15 |
| <u>Surrogate</u> | Percent F | Recovery | <u>Limits</u> | <u>Outliers</u> | Date Analy | zed |
| Tetrachloro-m-xylene | NO | C | 18.8 - 97.4 | | 3/30/2021 | 14:15 |

Method Reference(s): EPA 8082A

EPA 3546



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-WC-1-032921

Lab Sample ID:211229-14Date Sampled:3/29/2021Matrix:TCLP ExtractDate Received:3/29/2021

TCLP Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Regulatory Limit Qualifier | Date Analyzed | | |
|----------------|---------------|--------------|----------------------------|----------------------|--|--|
| Mercury | < 0.00200 | mg/L | 0.2 | 3/30/2021 12:32 | | |

Method Reference(s): EPA 7470A EPA 1311

Preparation Date: 3/30/2021 **Data File:** Hg210330D

TCLP RCRA Metals (ICP)

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Regulatory Limit Qualifier | Date Analyzed |
|----------------|---------------|--------------|----------------------------|----------------------|
| Arsenic | < 0.500 | mg/L | 5 | 3/30/2021 11:59 |
| Barium | 0.886 | mg/L | 100 | 3/30/2021 11:59 |
| Cadmium | < 0.0250 | mg/L | 1 | 3/30/2021 11:59 |
| Chromium | < 0.500 | mg/L | 5 | 3/30/2021 11:59 |
| Lead | < 0.500 | mg/L | 5 | 3/30/2021 11:59 |
| Selenium | < 0.200 | mg/L | 1 | 3/30/2021 11:59 |
| Silver | < 0.500 | mg/L | 5 | 3/30/2021 11:59 |

Method Reference(s): EPA 6010C

EPA 1311 / 3005A

 Preparation Date:
 3/30/2021

 Data File:
 210330B



Client: <u>National Grid</u>

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-WC-2-032921

Lab Sample ID:211229-15Date Sampled:3/29/2021Matrix:TCLP ExtractDate Received:3/29/2021

TCLP Mercury

| <u>Analyte</u> | <u>Result</u> | | Regulatory Limit Qualifier | Date Analyzed | | |
|----------------|---------------|------|----------------------------|----------------------|--|--|
| Mercury | < 0.00200 | mg/L | 0.2 | 3/30/2021 12:34 | | |

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 3/30/2021

Preparation Date: 3/30/2021 Data File: Hg210330D

TCLP RCRA Metals (ICP)

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Regulatory Limit Qualifier | Date Analyzed |
|----------------|---------------|--------------|----------------------------|----------------------|
| Arsenic | < 0.500 | mg/L | 5 | 3/30/2021 12:04 |
| Barium | 0.864 | mg/L | 100 | 3/30/2021 12:04 |
| Cadmium | < 0.0250 | mg/L | 1 | 3/30/2021 12:04 |
| Chromium | < 0.500 | mg/L | 5 | 3/30/2021 12:04 |
| Lead | < 0.500 | mg/L | 5 | 3/30/2021 12:04 |
| Selenium | < 0.200 | mg/L | 1 | 3/30/2021 12:04 |
| Silver | < 0.500 | mg/L | 5 | 3/30/2021 12:04 |

Method Reference(s): EPA 6010C

EPA 1311 / 3005A

 Preparation Date:
 3/30/2021

 Data File:
 210330B



Client: National Grid

Project Reference: 56912, Dewey-Kensington DK-21 WR#90000183727

Sample Identifier: DK-21-WC-3-032921

Lab Sample ID:211229-16Date Sampled:3/29/2021Matrix:TCLP ExtractDate Received:3/29/2021

TCLP Mercury

| <u>Analyte</u> | <u>Result</u> | | Regulatory Limit Qualifier | Date Analyzed | | |
|----------------|---------------|------|----------------------------|----------------------|--|--|
| Mercury | < 0.00200 | mg/L | 0.2 | 3/30/2021 12:36 | | |

Method Reference(s): EPA 7470A EPA 1311 Preparation Date: 3/30/2021

Preparation Date: 3/30/2021 **Data File:** Hg210330D

TCLP RCRA Metals (ICP)

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | Regulatory Limit Qualifier | Date Analyzed |
|----------------|---------------|--------------|----------------------------|----------------------|
| Arsenic | < 0.500 | mg/L | 5 | 3/30/2021 12:09 |
| Barium | < 0.500 | mg/L | 100 | 3/30/2021 12:09 |
| Cadmium | < 0.0250 | mg/L | 1 | 3/30/2021 12:09 |
| Chromium | < 0.500 | mg/L | 5 | 3/30/2021 12:09 |
| Lead | < 0.500 | mg/L | 5 | 3/30/2021 12:09 |
| Selenium | < 0.200 | mg/L | 1 | 3/30/2021 12:09 |
| Silver | < 0.500 | mg/L | 5 | 3/30/2021 12:09 |

Method Reference(s): EPA 6010C

EPA 1311 / 3005A

 Preparation Date:
 3/30/2021

 Data File:
 210330B



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

- "<" = Analyzed for but not detected at or above the quantitation limit.
- "E" = Result has been estimated, calibration limit exceeded.
- "Z" = See case narrative.
- "D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
- "M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
- "B" = Method blank contained trace levels of analyte. Refer to included method blank report.
- "I" = Result estimated between the quantitation limit and half the quantitation limit.
- "L" = Laboratory Control Sample recovery outside accepted QC limits.
- "P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
- "NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
- "*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.
- "(1)" = Indicates data from primary column used for QC calculation.
- "A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
- "F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

GENERAL TERMS AND CONDITIONS LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to reperform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against

any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any

environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt. Page 19 of 22

PARADIGM

CHAIN OF CUSTODY

| _1 / | 4 | 123 |
|-------|----|-----|
| Sheet | OF | 7 |

| ENVIRON | MENT | AL | | REPORT TO: | | | | IN | VOICE TO | : | | 2N | ref | | of | 6 | |
|--|---------------|-------------------|------------------|---------------------------------|----------------------------|------------------|------------------------------|------------|-------------|---------|-----------|------------|------------|-----------|---------------------|--------|-------------|
| SERVICE | S, INC. | | COMPAN | Niagara Mohawk Power C | orp | COMPAN | Y: 1 | Niagara N | Mohawk P | ower C | orp | LAB PROJEC | Т#: | CLIENT P | ROJECT | ¥: | 7 |
| 179 Lake Avenue | • | | ADDRESS | 144 Kensington Ave. | | ADDRES | ADDRESS: 300 Erie Blvd. West | | | | | 12112 | 29 | 56 | 912 | | |
| Rochester, NY 14 | 4608 | | CITY: | Buffalo STATE: N' | ZIP: Y 14214 | CITY: | Syra | acuse | STATE: | NY ZIP: | 13202 | TURNAROUN | D TIME: (W | ORKING D | (SY | | 1 |
| (585) 647-2530 * | | 97 | PHONE: | (716) 831-7209 FAX: | | PHONE: | | | FAX: | | | 1 | | STI | כ | OTHER | ۱ |
| PROJECT NAME/SITE Dewey - Kong | | | ATTN: | Lisa Montesano | | ATTN: | Acc | ounts Pa | yable | | | ĬZI₁ [| 2 | 3 | 5 | | 1 |
| DK-21 WR# 90000 18 | | | COMMEN | rs: Results to: Lisa.Montesa | no@nationalg | rid.com, | danie RI | el.troy@n | ationalgrid | d.com | 1 inda, p | Linda, | scalt. | øuse ^ | cology | .com | 1 |
| DATE | TIME | C O M P O S T E | G R A B | SAMPLE LOCATION/FIELD ID | M A T R I X | CONUT MABIEN RES | | 1.00ppm OL | | | | REMARK | s | Ş | PARADIG SAMPLE N | | |
| 13/29/21 | C400 | | X | DK-21-1-032921 | 50.1 | 1 | X | | | | | | | | | Oli | 1 |
| 2 1 | 0915 | | X | BK-21-2-032921 | , | 1 | X | | | | | | | | | 02 | 1 |
| 3 | 1000 | | × | DK-21-3-032921 | | | X | | | | | | | | | 03 | 1 |
| 4 | 1015 | | × | DK-21-4-032921 | | | X | | | | | | | | | 04 | 1 |
| 5 | 10 20 | | | DK-Z1-5-03Z9Z1 | | | Z | | | | | | | | \vdash | 05 | 7 |
| 6 | 1030 | | * | DK-21-6-032921 | | | | | | | | | | | | | 1 |
| 7 | 1040 | | X | DK-21-7-032921 | - | 11 | X | | | | | | | | | 0 6 | 1 |
| 8 | 1055 | | X | DK-21-8-032921 | | | 굯 | | +++ | | | | | | | 1 1 | 1 |
| 9 | 1105 | | X | DK-21-9-032921 | | + | X | | | | | | | _ | \vdash | 08 | 1 |
| 10 | 1/15 | | × | DK-Z1-10-032921 | 1 | 1 | | | +++ | | | | | - | \vdash | 09 | 1 |
| **LAB USE (| | | | 012-21 10 302121 | | 1 7 | IVI | | | | | | | !_ | | I I PO | _ |
| SAMPLE CONDITION OF IT IT IS A CONDITION OF IT IS A | | | C | ONTAINER TYPE: PRES | SERVATIONS: | Ш | | HOLDING | TIME: | | TEN | IPERATURE: | 5/2 | 11°C | iceo n Fie | (13/ | 39/2 |
| Sampled By: | 1 | | | Date/Time: 3 2 9 2 1 | Relinquished | Ву: | | | | | Date/Ti | me: | | tal Cost: | | |] [4]. |
| Relinquished By | . H. | | | Date/Time: 3(29/2) | Received By: | | | | | | Date/Ti | me: | | | | | - ti |
| Received By: | $\overline{}$ | al | _ | Date/Time: 3/2 8/2/ 12:50 | Received @ L | ab By: | | 3/291 | إدا | 1430 | Date/Ti | me: | P.I | .F. | | | |

PARADIGM

CHAIN OF CUSTODY

| -1 1 | | |
|--------|-----|---|
| Shoot | 7 - | 2 |
| June 1 | LOF | |

| ENVIRON | IMENT | AL | | REPORT TO: | | | | | | | INVO | ICE ' | TO: | | | | | | | 0 ; | • | _ |
|-----------------------------------|------------|-------------------|------------------|--------------------------------------|-------------|-----------------------|---------------------|-----------|--------|---------------------|---------------|---------------|----------------------|--------|------|----------|----------------------------------|--------------|----------|---------|------------------|--------|
| SERVICE | S, INC. | | COMPAN | ^{Y:} Niagara Mohawk Power C | Corp | | COMPAN | IY: | Nia | gar | a Mo | hawk | (Pov | ver C | orp | | LAB PROJECT #: CLIENT PROJECT #: | | | | | |
| 179 Lake Avenue | e | | ADDRESS | 144 Kensington Ave. | | | ADDRES | S: | | | ie Blv | | /est | | | | 211229 56912 | | | | | |
| Rochester, NY 1 | 4608 | | CITY: | Buffalo STATE: N | Y ZIP: | 14214 | CITY: | Syı | racu | ıse | | STA | TE: | VY ZIP | 1 | 3202 | TURNARO | OUND TIME: | (WORKIN | | | \neg |
| (585) 647-2530 * | | 97 | PHONE: | (716) 831-7209 FAX: | | | PHONE: | | | | | FAX: | | | | | | | | STD | 0 | THER |
| PROJECT NAME/SITE Devey - News | NAME: | -2() | ATTN: | Lisa Montesano | | | ATTN: | Ac | cou | nts l | Paya | ble | | | | | X | □ 2 [| 3 | 5 | Γ | \neg |
| -Mostim WR# 900001881 | or Station | (2.20) | COMMEN | TS: | | | | | . 1 6 | | | | | | i i | D | rında. | scott e | . U5e | (01097. | con | |
| VVK# 90000 DB-1 | 1837 | 2/ | | Results to: Lisa.Montesa | ano@natio | naigrio | a.com, | danı F | REC | roy@ UE : | ยูกลน STEI | onaig D AN | gria.c ALY | SIS | lind | مر الالا | cereg | EA.COV | - | | | J |
| DATE | TIME | C O M P O S I T E | G R A B | SAMPLE LOCATION/FIELD ID | | M A T R I | C O N T A I N E R S | | 3-8270 | РСВ | 8000 | Partels | | | | | REM | ARKS | | | DIGM L E NUMI | |
| 1 3/29/21 | 11:25 | | X | DK-21-11-032921 | | Soil | i | | | X | | | | | П | | | | | | - | \Box |
| 2 | 9:50 | | X | DK-21-12-032921 | |] | 5 | | | X | | | | | | | | | | | | 1/2 |
| 3 | 9:40 | | X | DK-21-13 -032921 | | | | | | X | | | | | | | | | | | | 1 2 |
| 4 | 1130 | X | | DK-21-WC-1-0320 | 121 | | { | | | | | 4 | | | | | | | | | | T U |
| 5 | 1135 | X | | DK-21-WC-Z-032 | 29.21 | 1 | - | Г | | | × | | | | | | | | | | | 5 |
| 6 ♦ | 1140 | X | | DK-21 - WC - 3 -0320 | | V | j | | | | 7 | 4 | | | | | | | | | 1 | 14 |
| 7 | | | | | | | | | | | | | | | | | | | | | | Ť |
| 8 | | | | | | | | | | | | | | | T | | | | | | 1 | \top |
| 9 | | | | | | | | | | | | | | | П | | | | | | \top | \top |
| 10 | | | | | | | | | | | | Т | П | | П | | | | | | T | \top |
| **LAB USE | ONLY** | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE CONDI if acceptable or | | | c | CONTAINER TYPE: PRE | SERVATIONS: | | | | | HOLD | ING TIN | ME: | L | | | TEM | IPERATURI | | | | | |
| | Se45 | | | Date/Time: 3/24 (2(| Relinqui | shed B | y: | | | | | | | | | Date/Ti | me: | | Total Co | st: | | |
| Relinquished By | D- 26 | | | Date/Time: 3/29/21 | Received | • | | | | | | 25. | | | | Date/Ti | me: | | | | | |
| Received By: | -2 | ~ | _ | 'Date/Time: 3/29/21 | Received | d @ La | b By: | ly | 1 | ai |) | 3/; | 291 | 21 | | Date/Ti | me: | | P.I.F. | | | |
| | 0 | | | 12:50 | | | 1 | V | | | | | | | | | | | | | | |





Chain of Custody Supplement

| Client: | National beil | Completed by: | Molyrail | | | | | | | |
|---|---------------------------------------|---|--------------------|--|--|--|--|--|--|--|
| Lab Project ID: | 211229 | Date: | 3/29/21 | | | | | | | |
| | Sample Cond Per NELAC/ELAI | Sample Condition Requirements Per NELAC/ELAP 210/241/242/243/244 | | | | | | | | |
| Condition | NELAC compliance with the samp Yes | ole condition requirements upor No | n receipt N/A | | | | | | | |
| Container Type Comments | | | | | | | | | | |
| Transferred to method- compliant container | | | | | | | | | | |
| Headspace (<1 mL) Comments | | | <u></u> | | | | | | | |
| Preservation Comments | | | X | | | | | | | |
| Chlorine Absent (<0.10 ppm per test strip) Comments | | | | | | | | | | |
| Holding Time Comments | | | \$ propagation = 1 | | | | | | | |
| Temperature Comments | TY II°C' | ud startulin d | ild | | | | | | | |
| Compliant Sample Quantity/ Comments | Туре | | | | | | | | | |
| | | | | | | | | | | |

Appendix B

NYSDEC Generic Community Air Monitoring Plan

Appendix 1A New York State Department of Health Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all <u>ground intrusive</u> activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during <u>non-intrusive</u> activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

Final DER-10 Page 204 of 226

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- 1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
- 2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- 3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.
- 4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

Final DER-10 Page 205 of 226

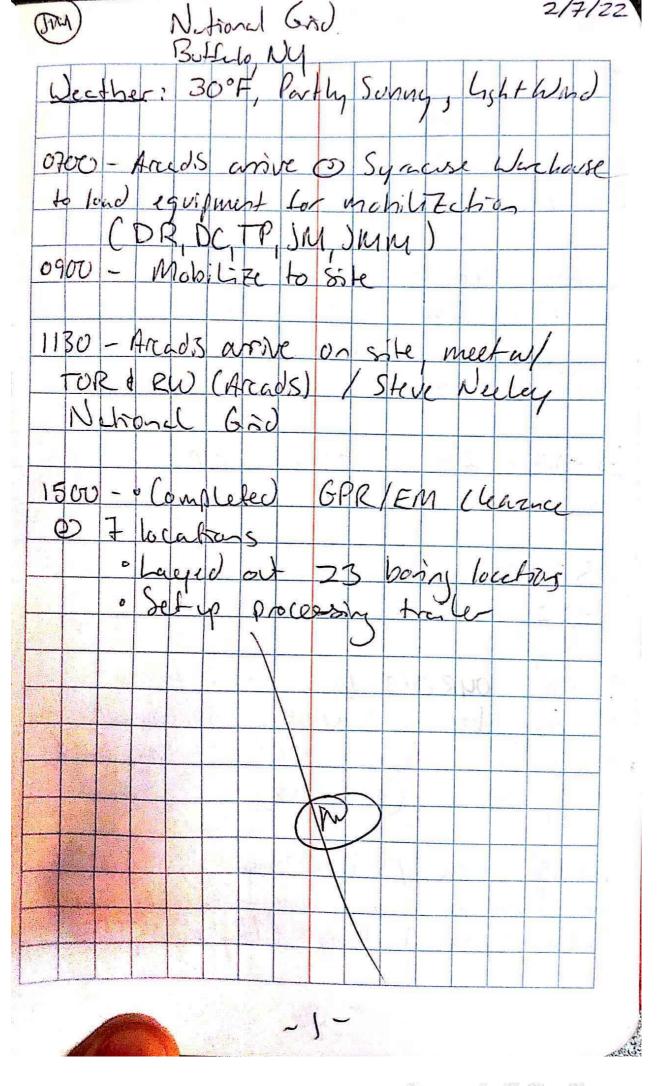
- 1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m³) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m³ above the upwind level and provided that no visible dust is migrating from the work area.
- 2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m³ above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m³ of the upwind level and in preventing visible dust migration.
- 3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

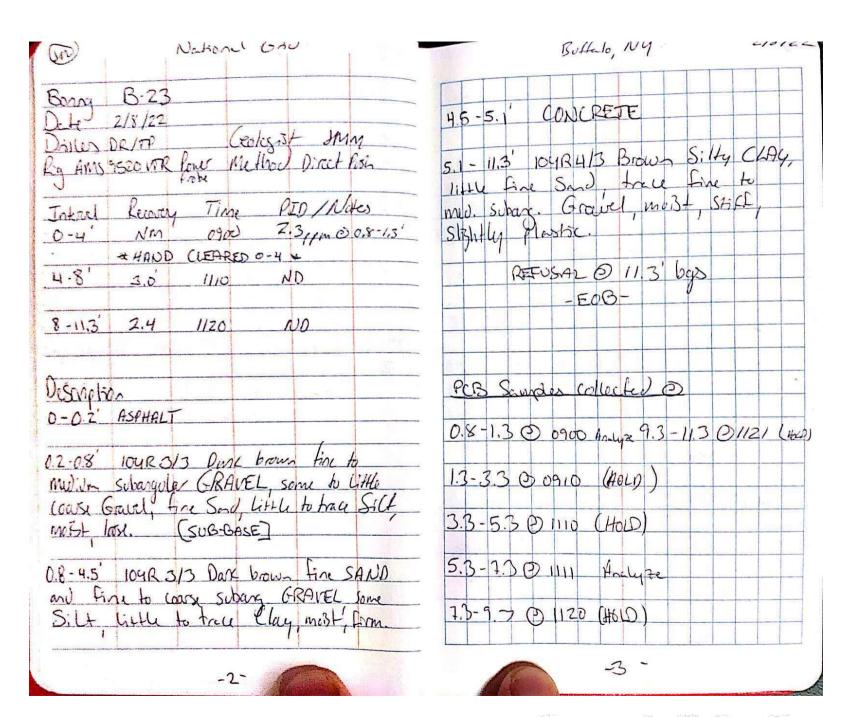
December 2009

Final DER-10 Page 206 of 226

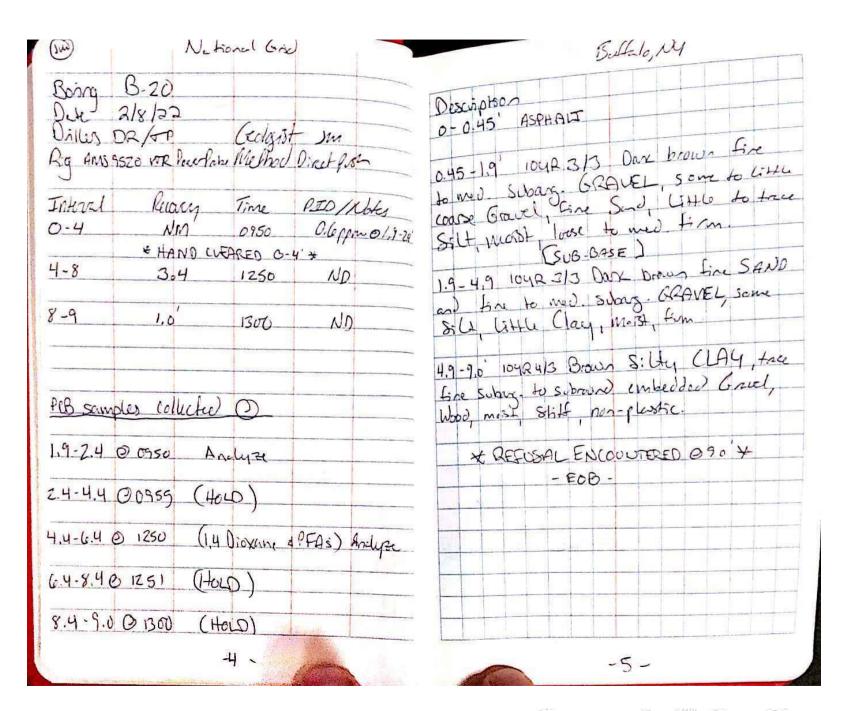
Appendix C

Field Sampling Notes

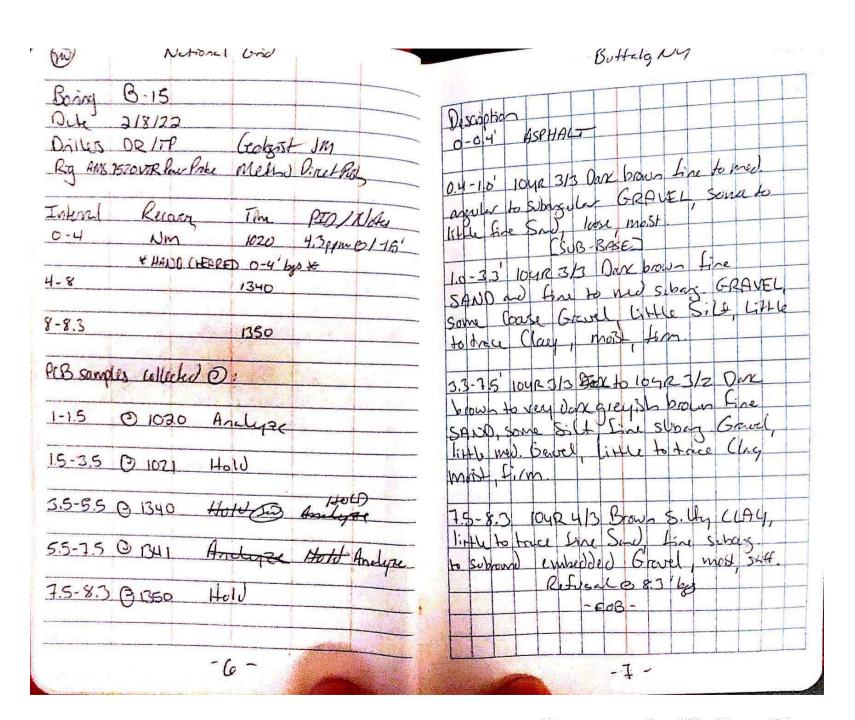




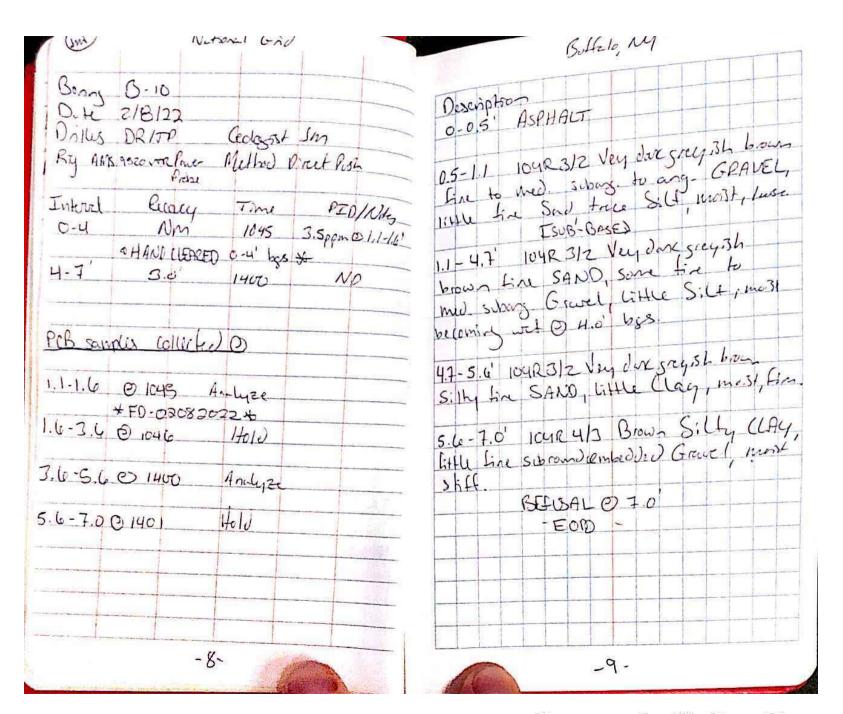
Scanned with CamScanner



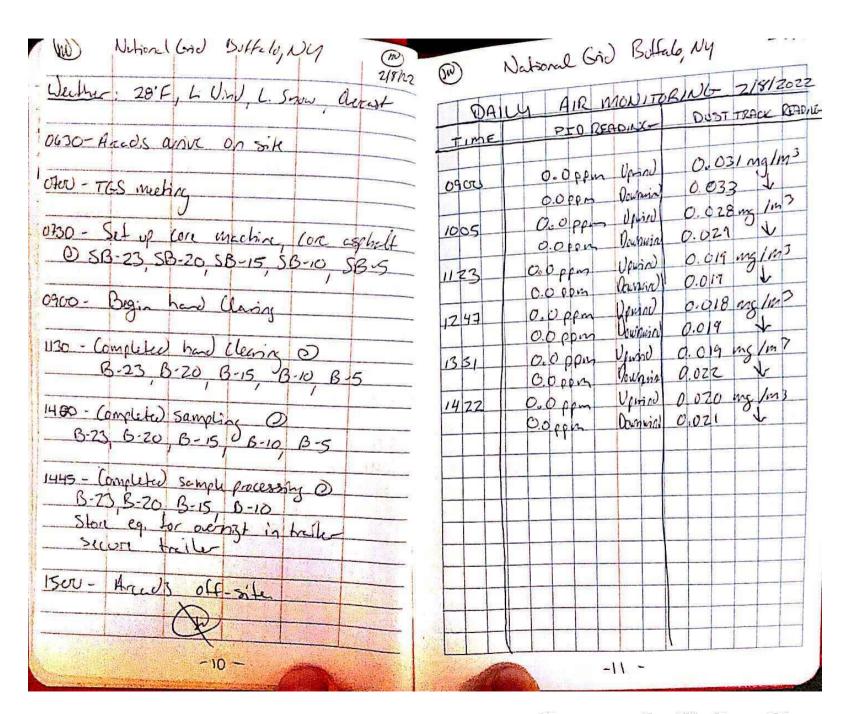
Scanned with CamScanner



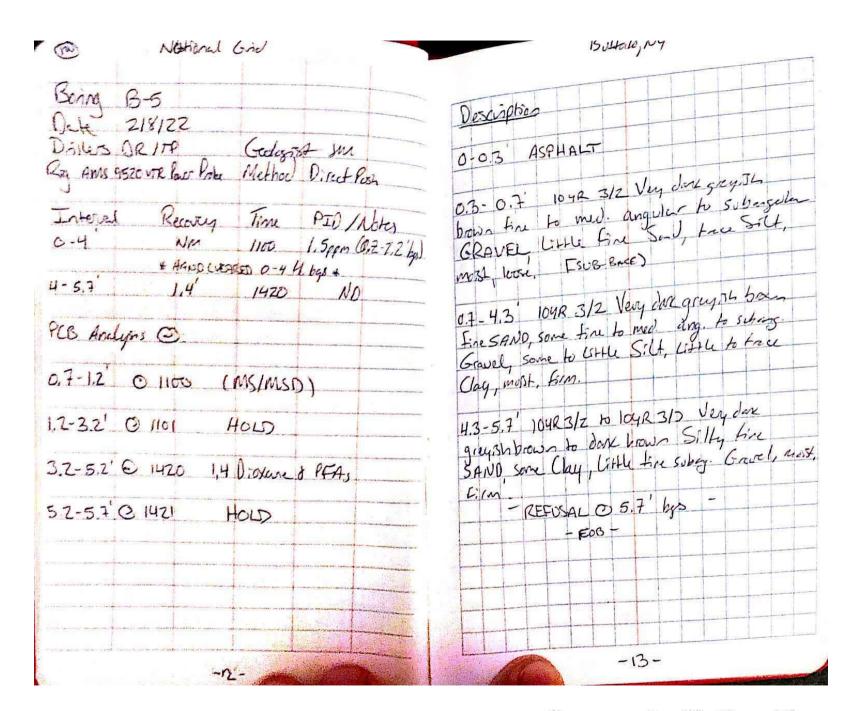
Scanned with CamScanner



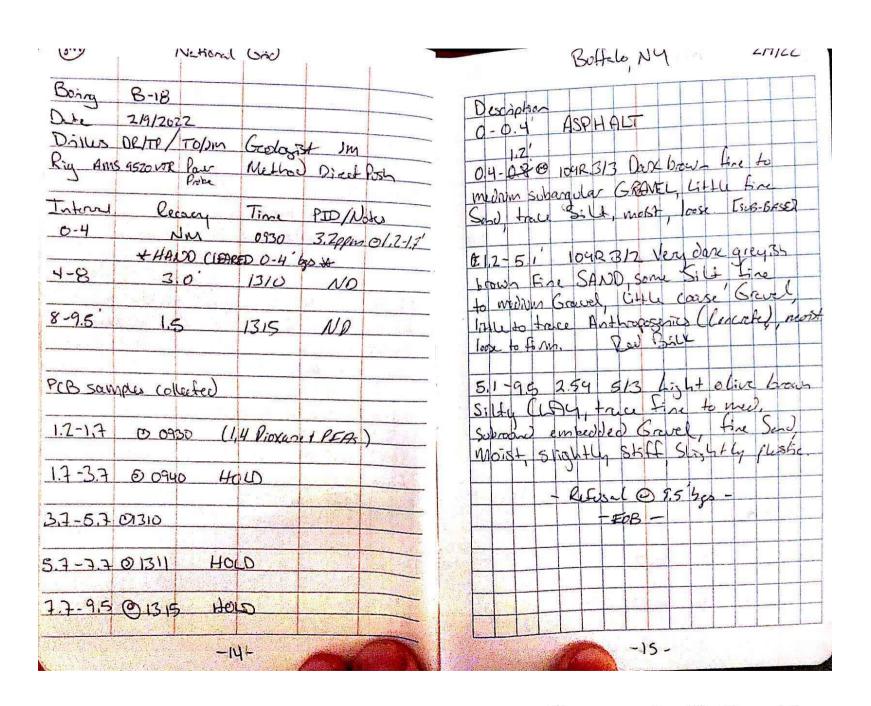
Scanned with CamScanner



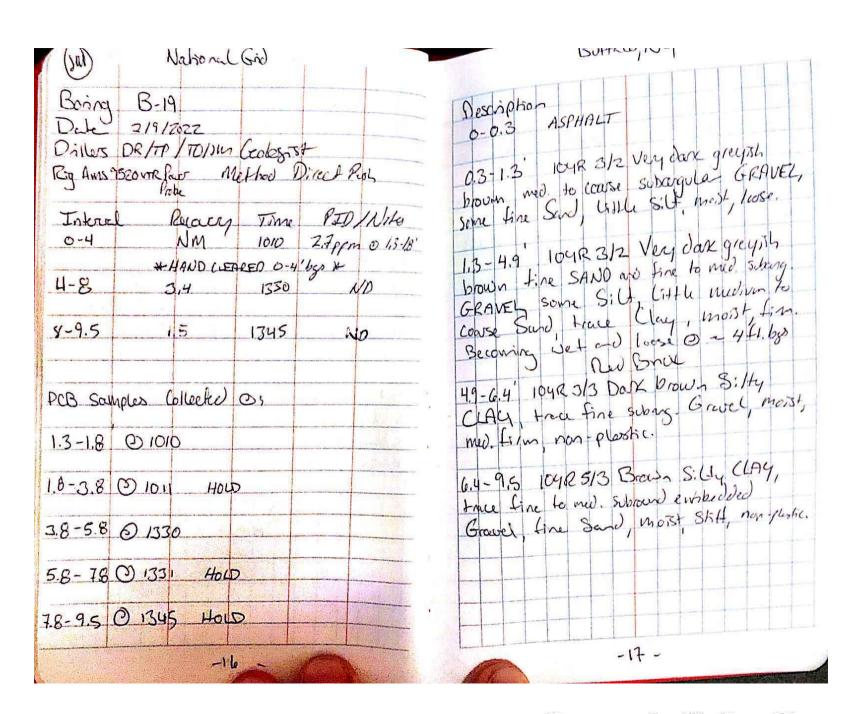
Scanned with CamScanner



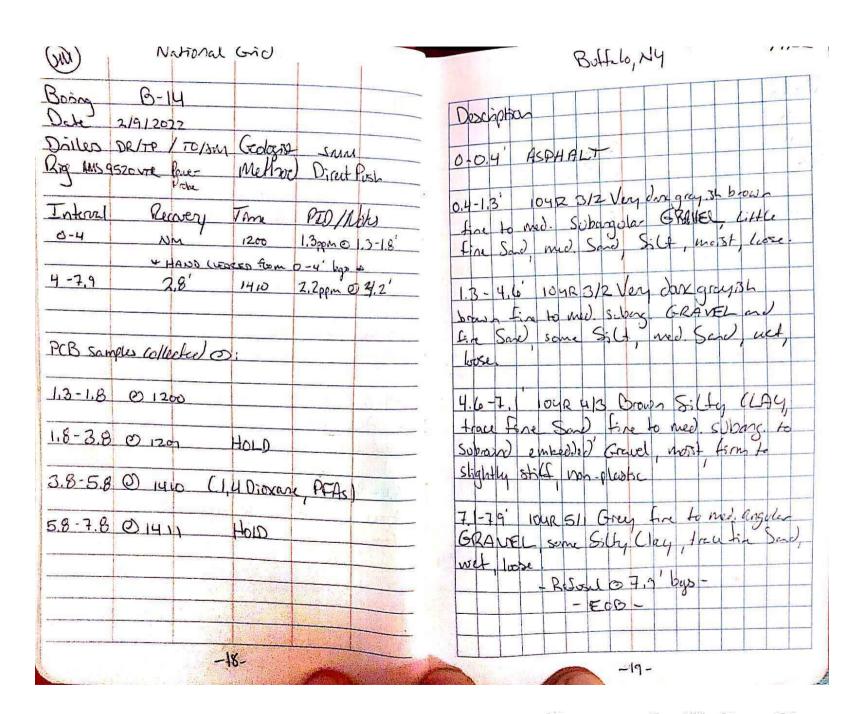
Scanned with CamScanner



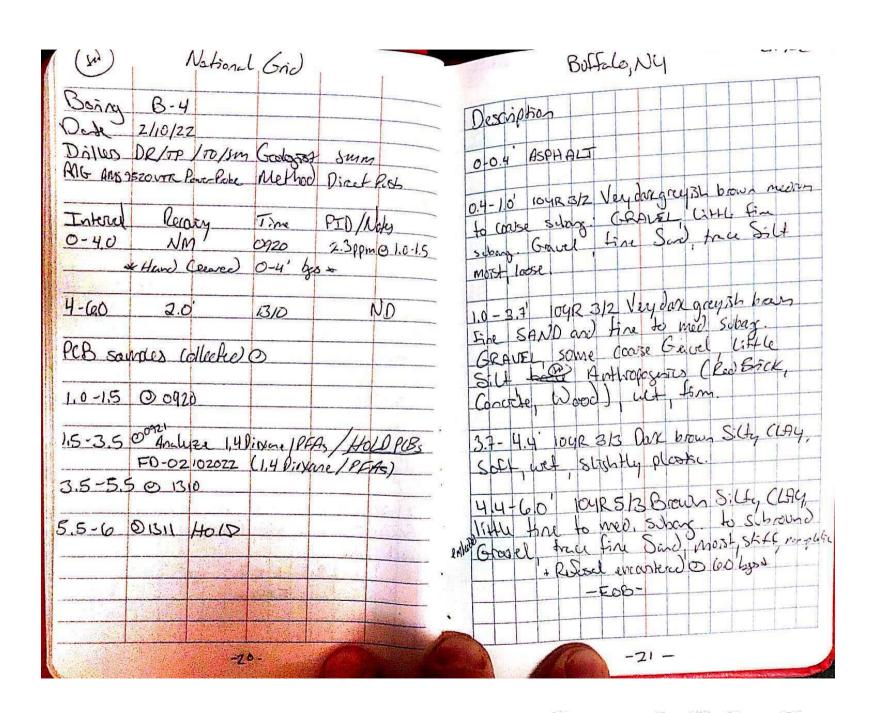
Scanned with CamScanner



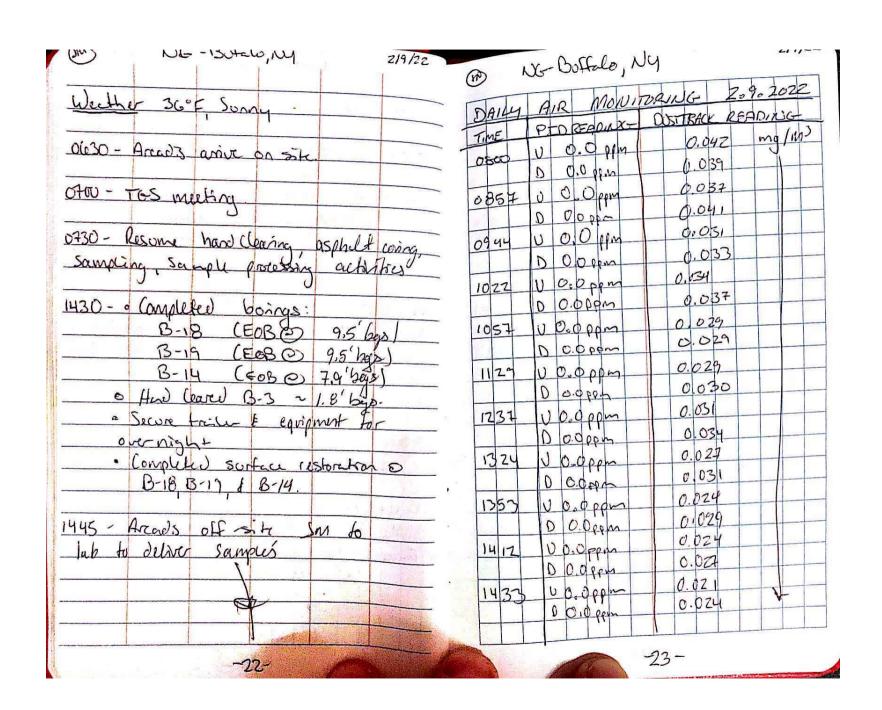
Scanned with CamScanner



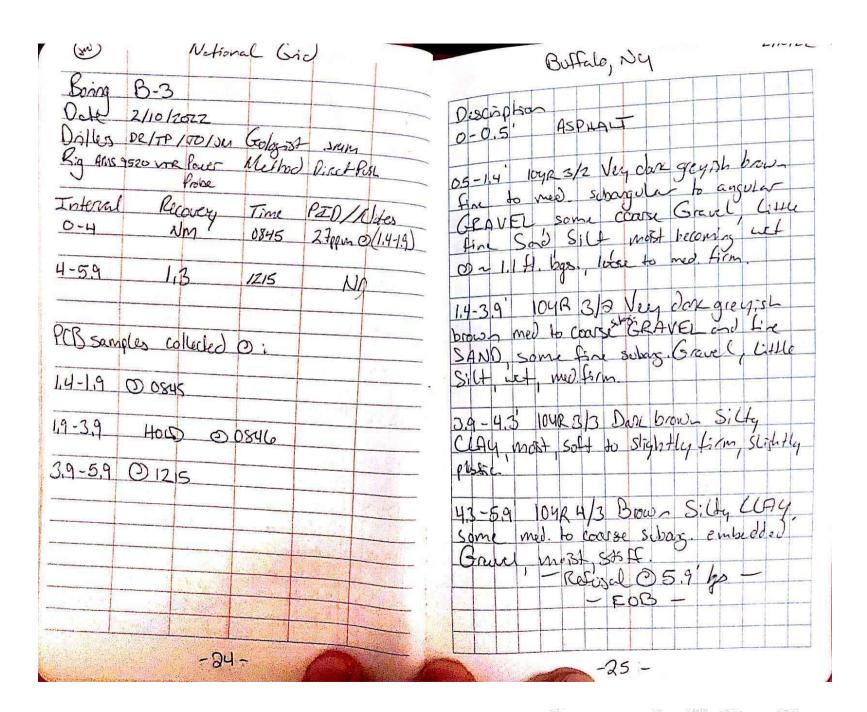
Scanned with CamScanner



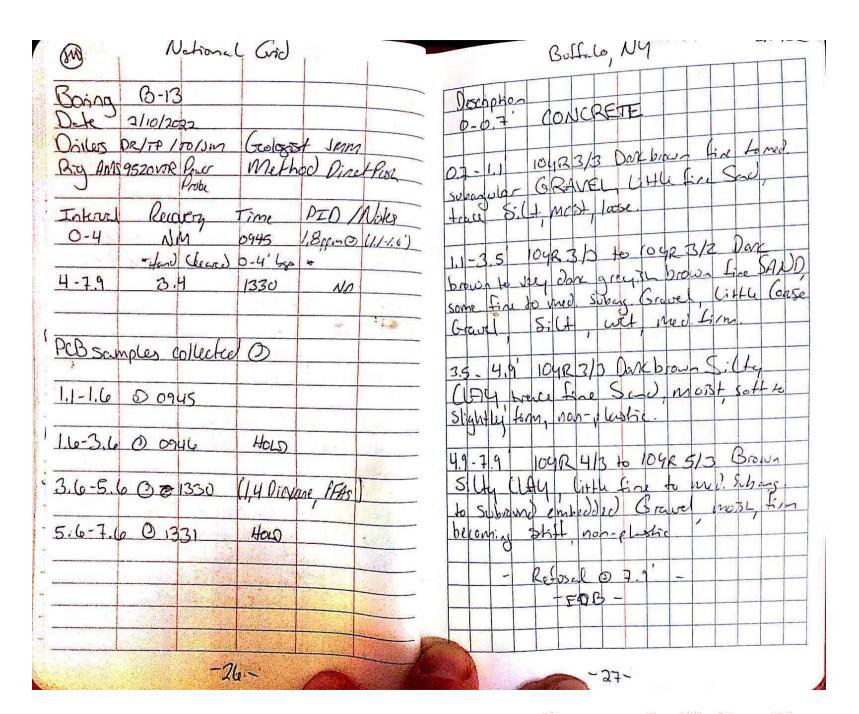
Scanned with CamScanner



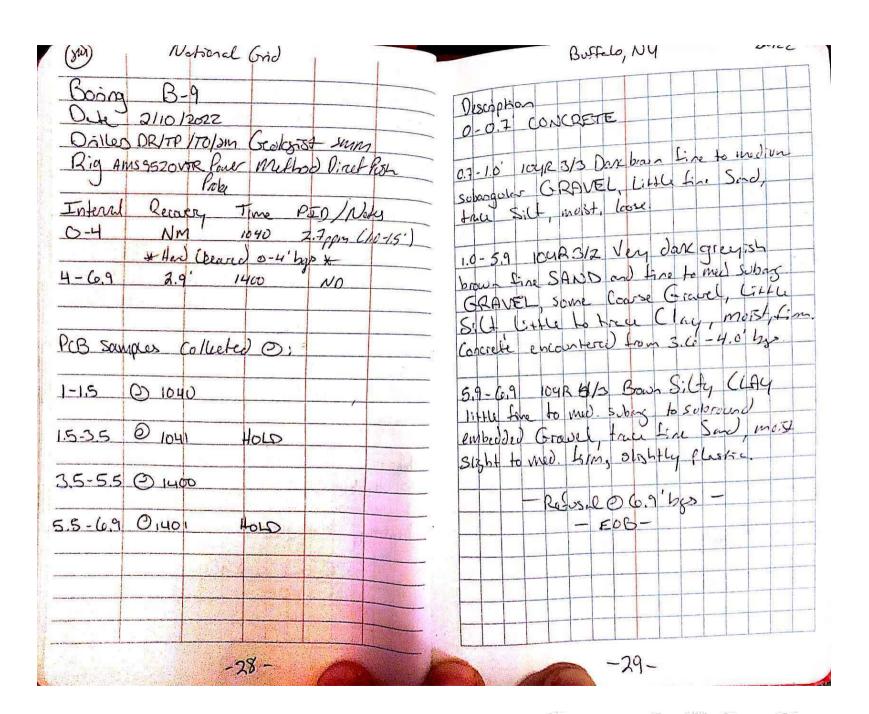
Scanned with CamScanner



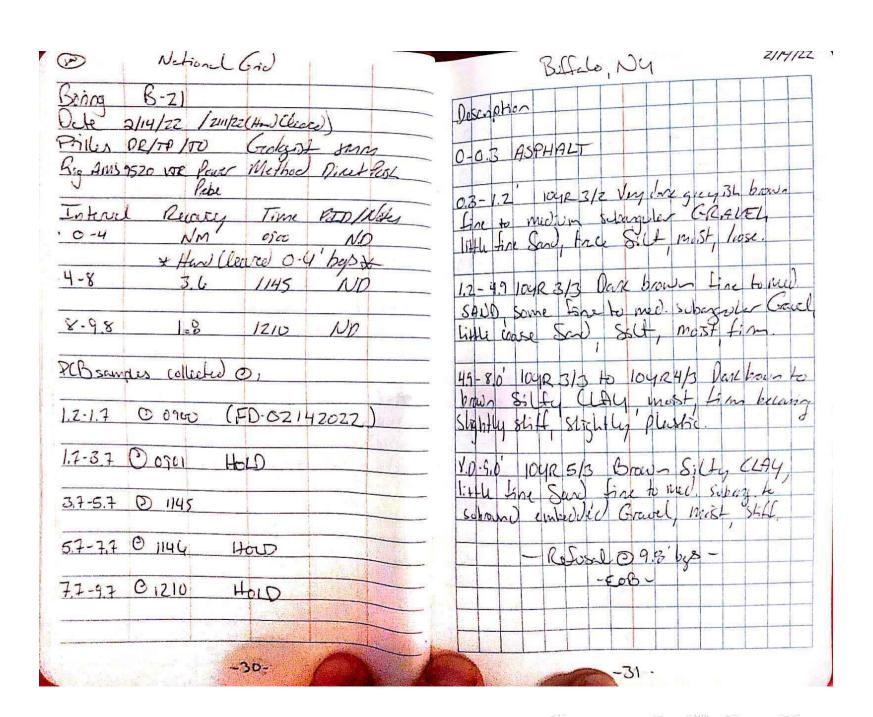
Scanned with CamScanner



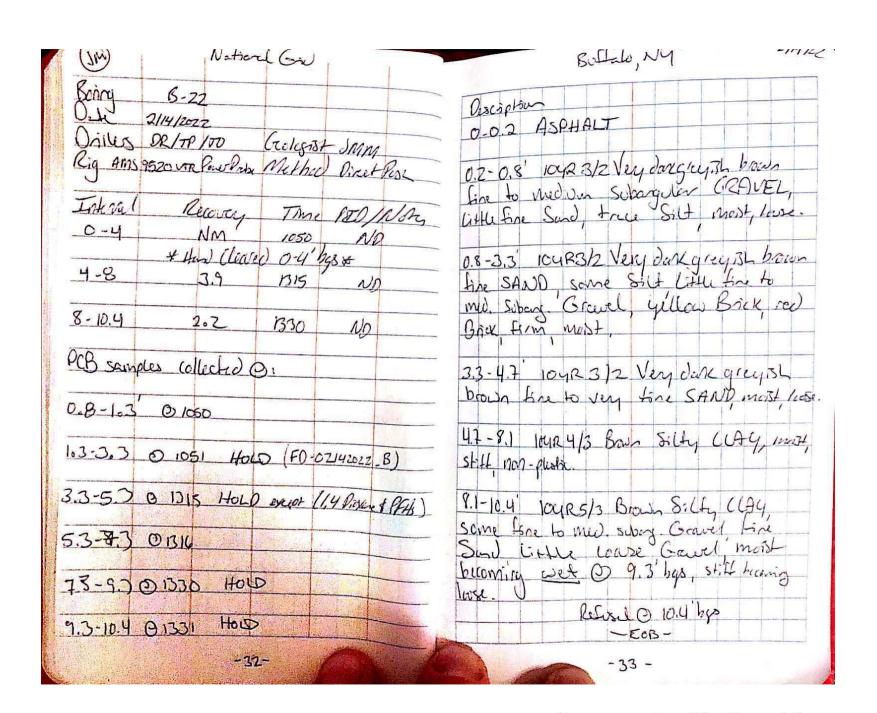
Scanned with CamScanner



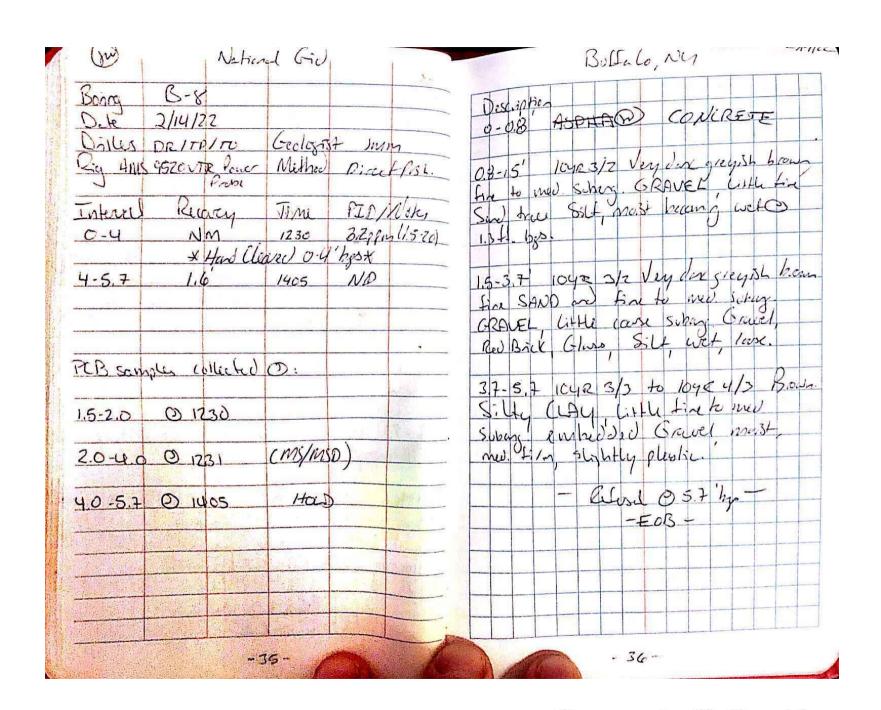
Scanned with CamScanner



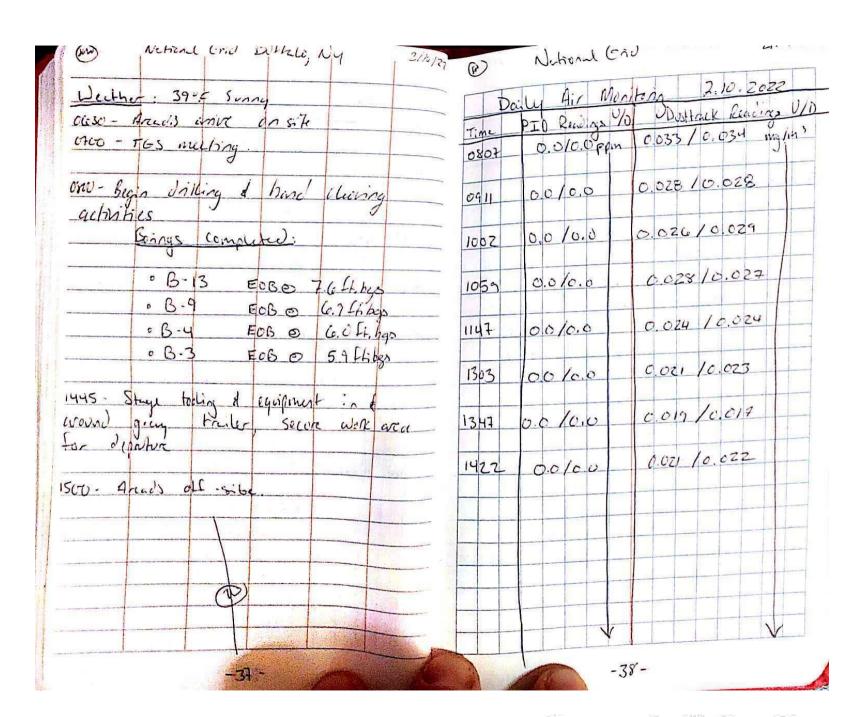
Scanned with CamScanner



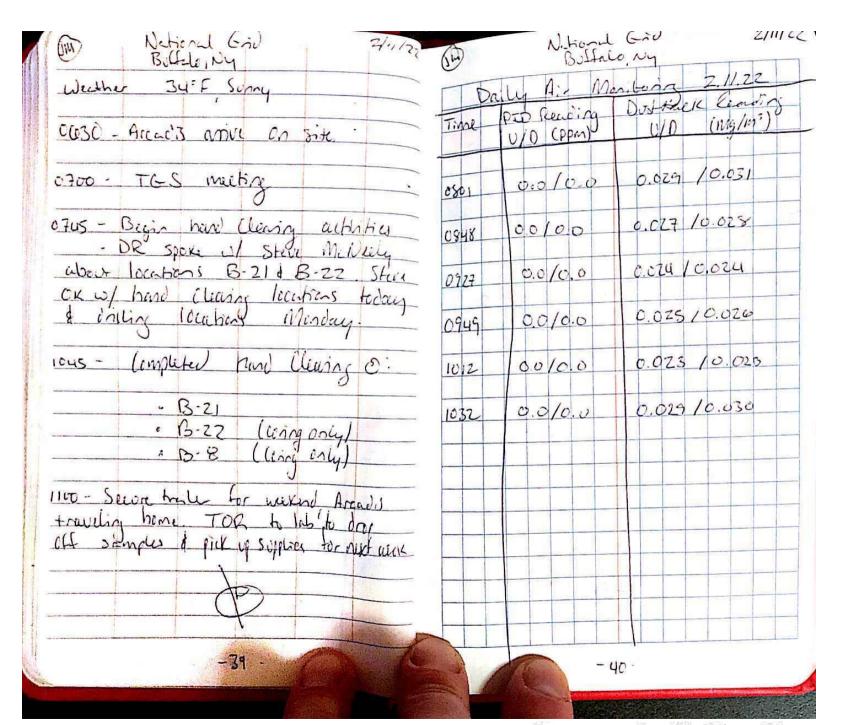
Scanned with CamScanner



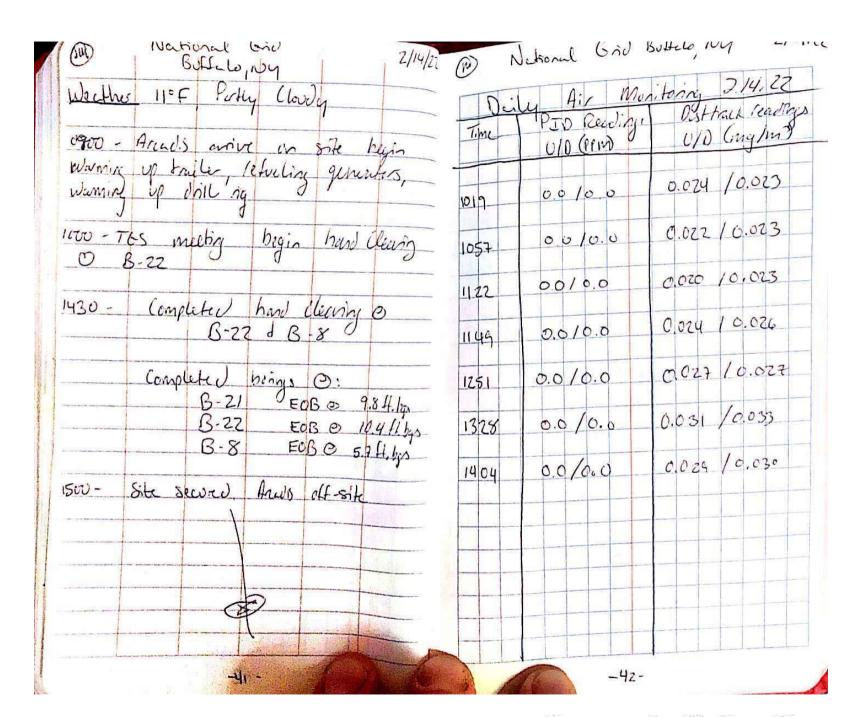
Scanned with CamScanner



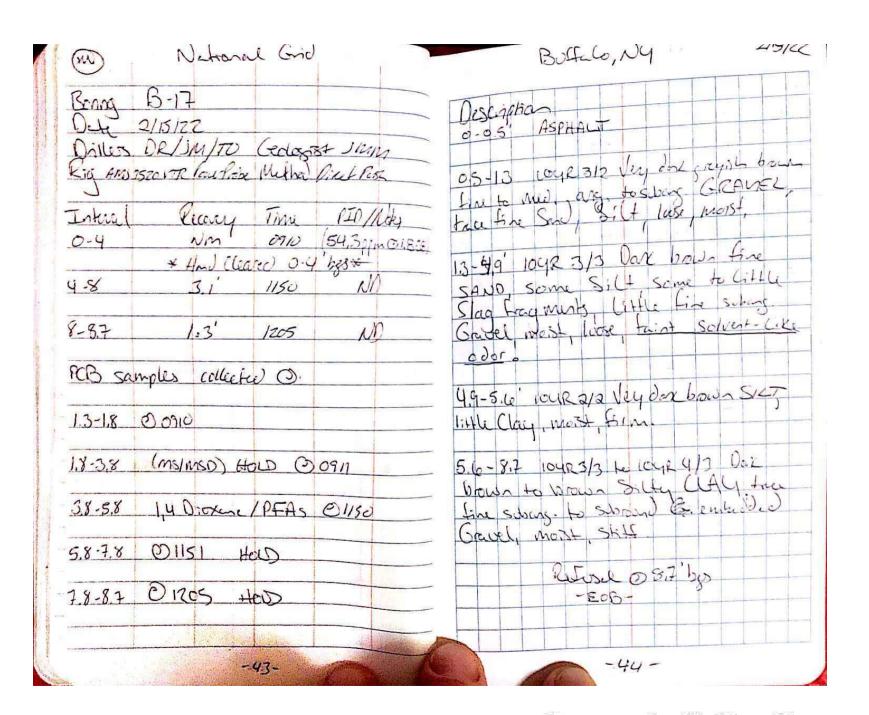
Scanned with CamScanner



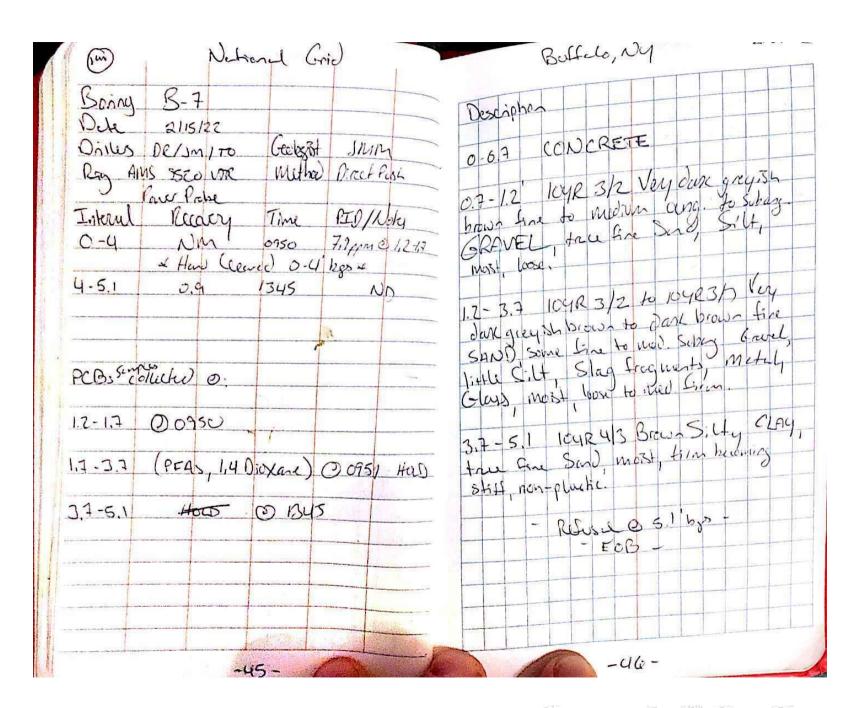
Scanned with CamScanner



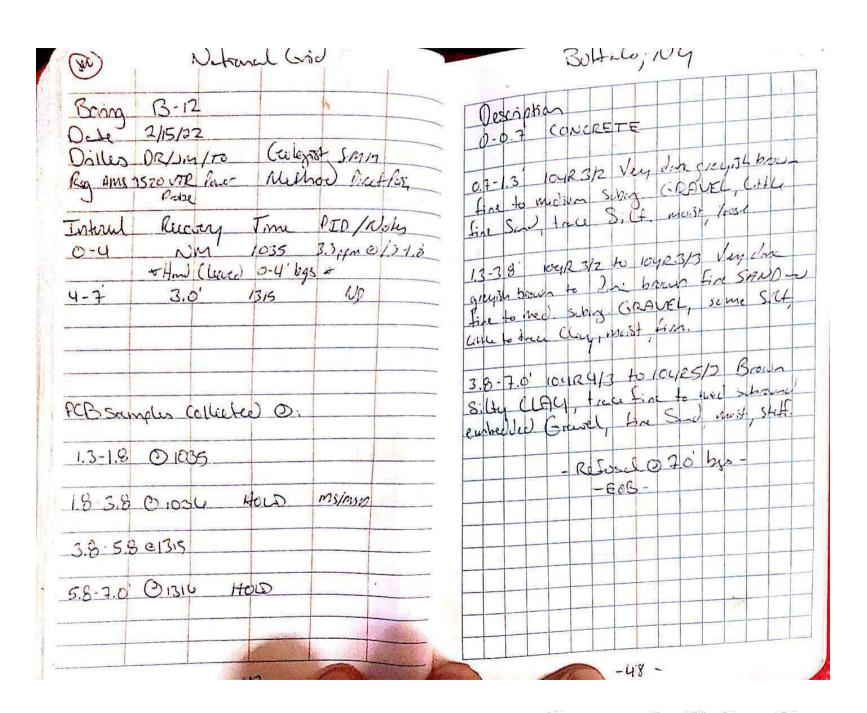
Scanned with CamScanner



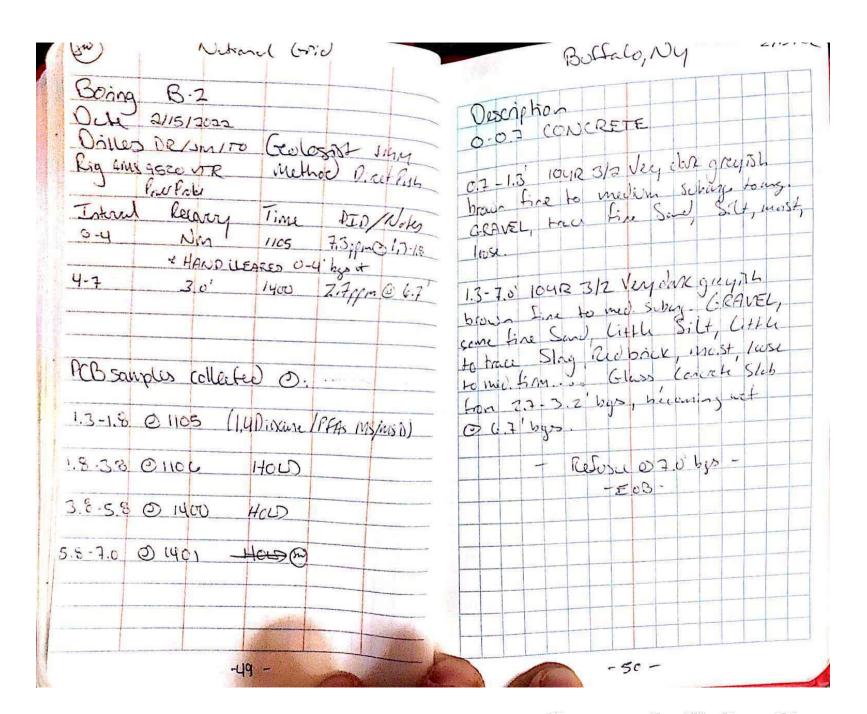
Scanned with CamScanner



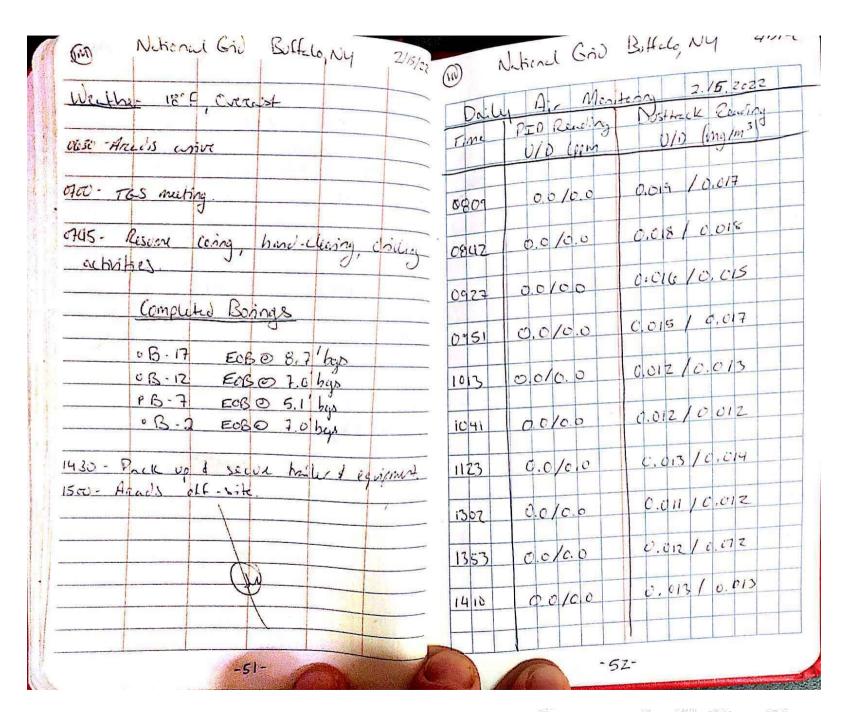
Scanned with CamScanner



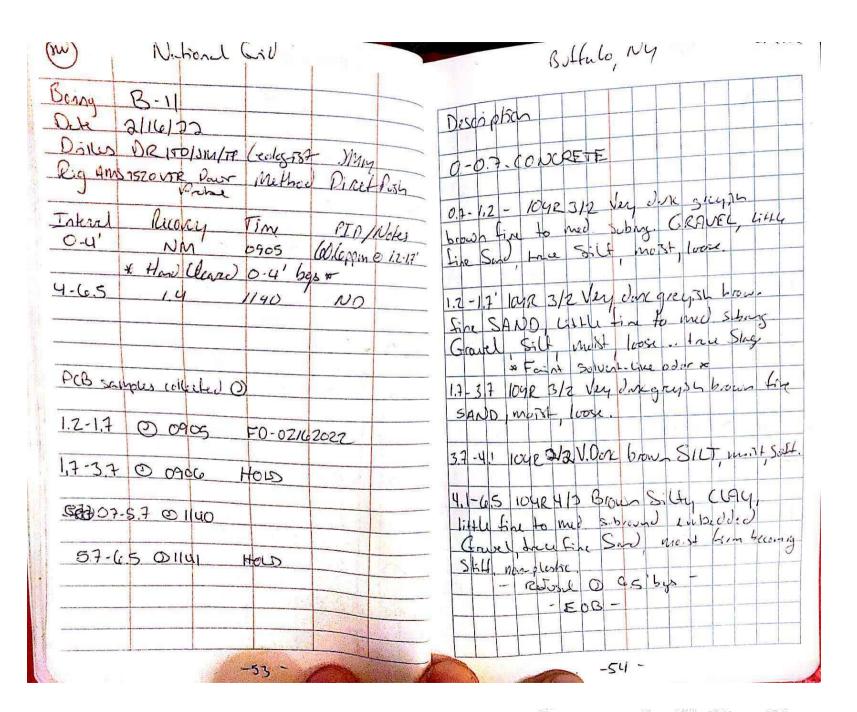
Scanned with CamScanner



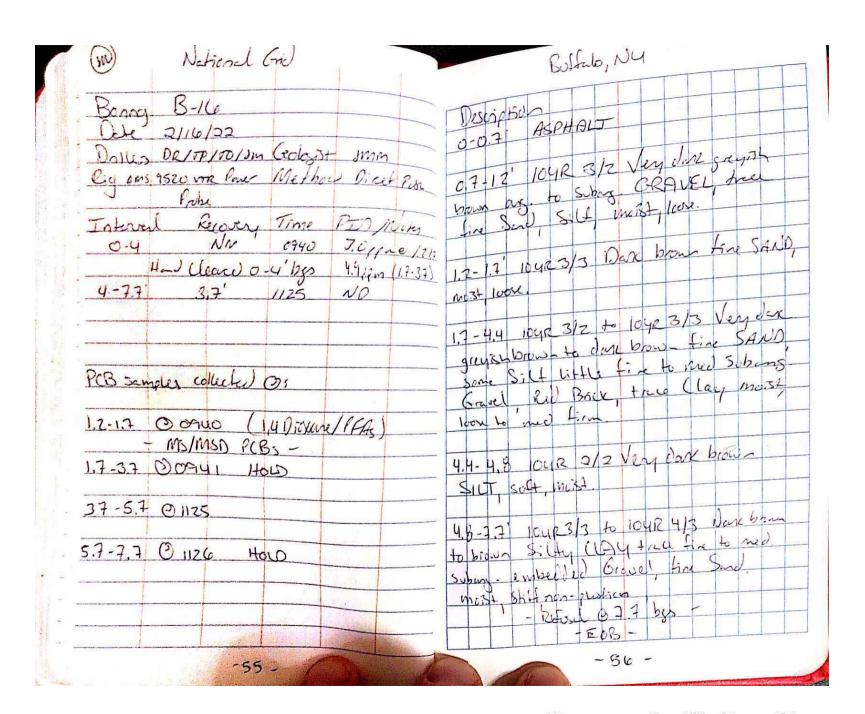
Scanned with CamScanner



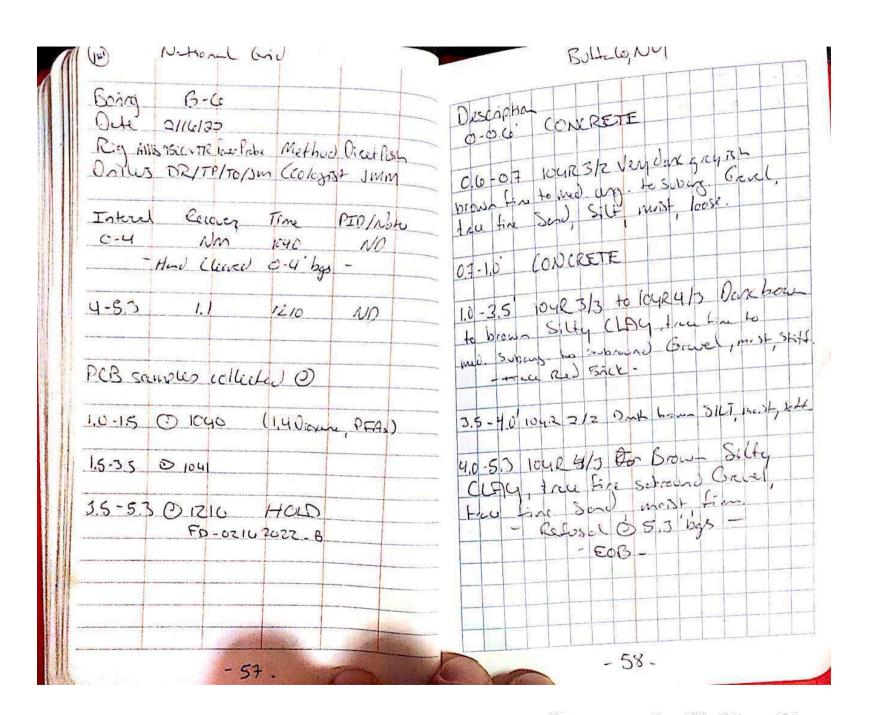
Scanned with CamScanner



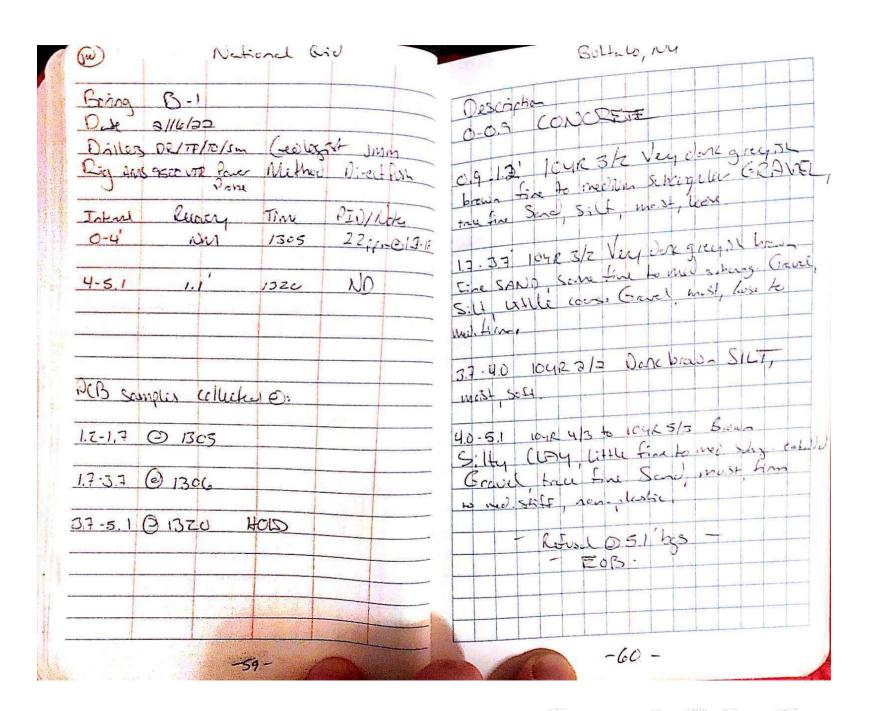
Scanned with CamScanner



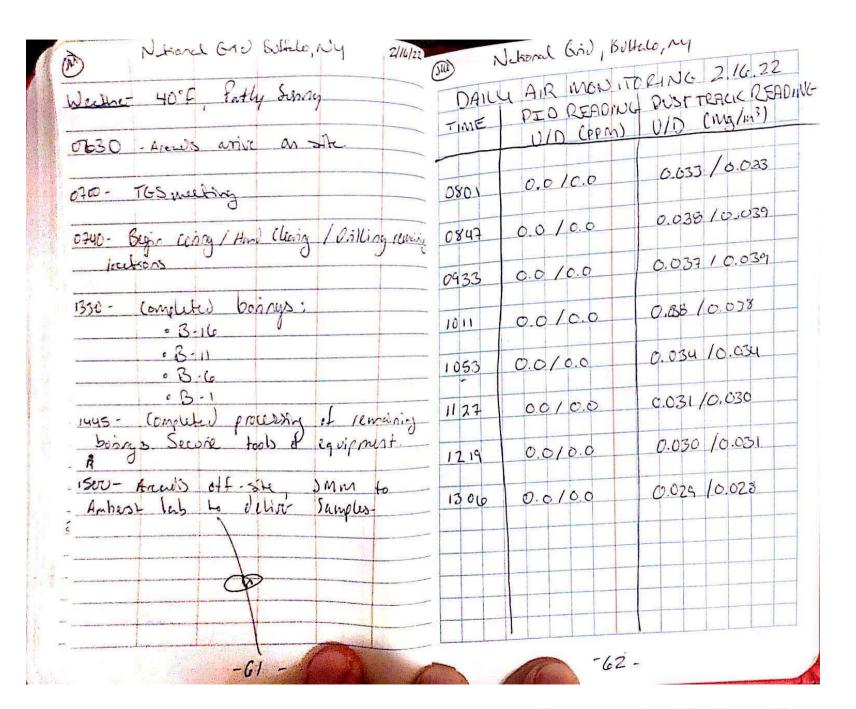
Scanned with CamScanner



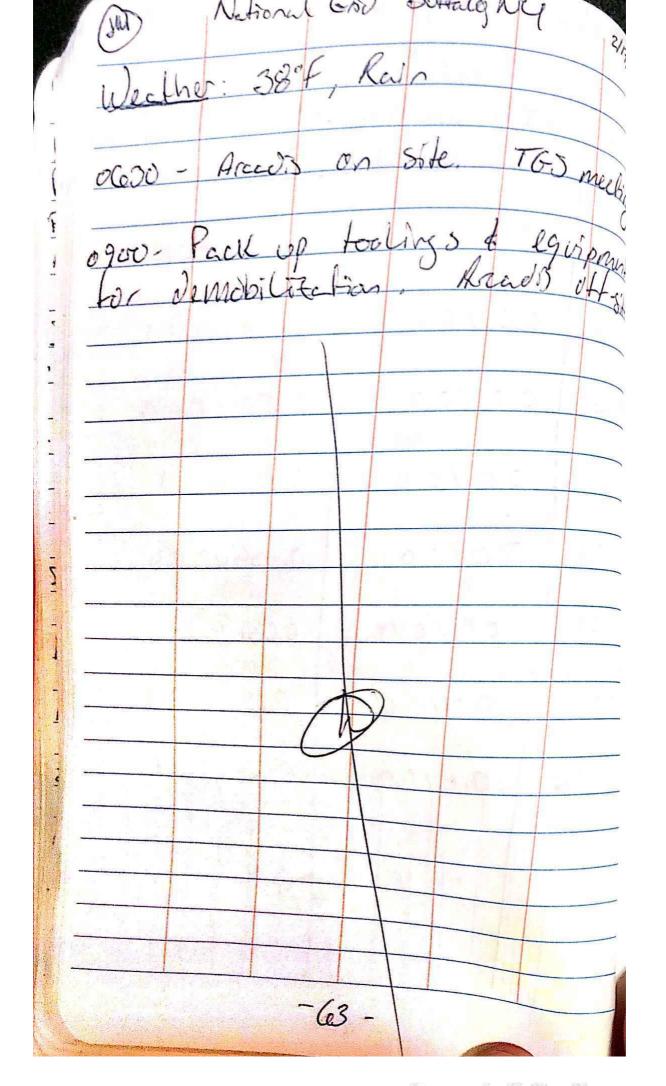
Scanned with CamScanner

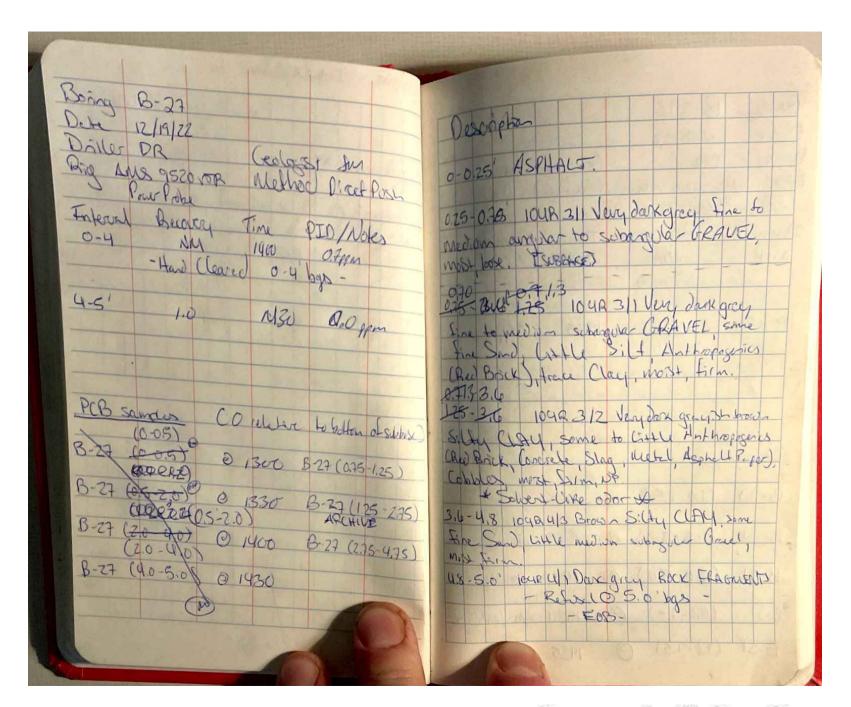


Scanned with CamScanner

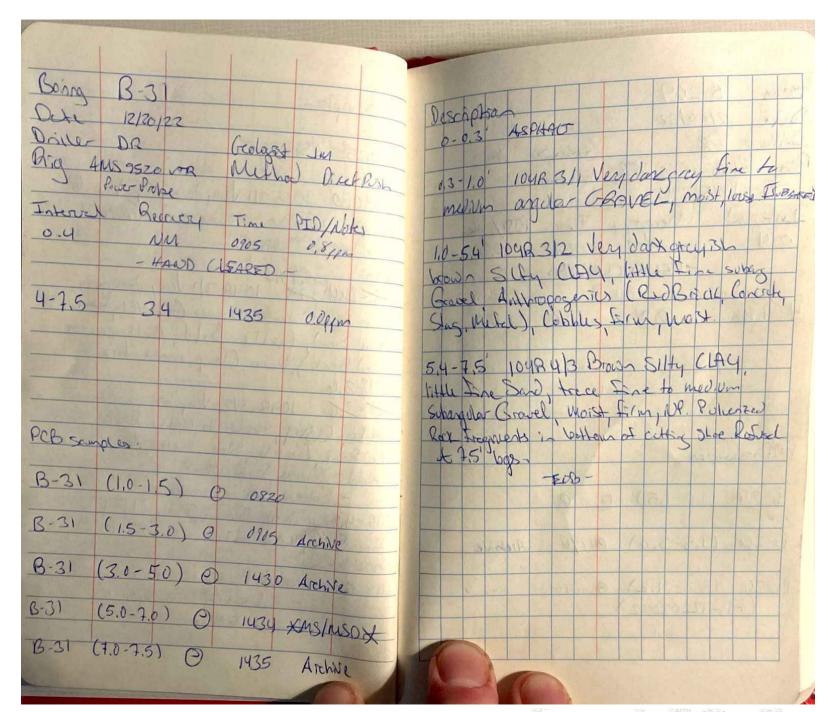


Scanned with CamScanner

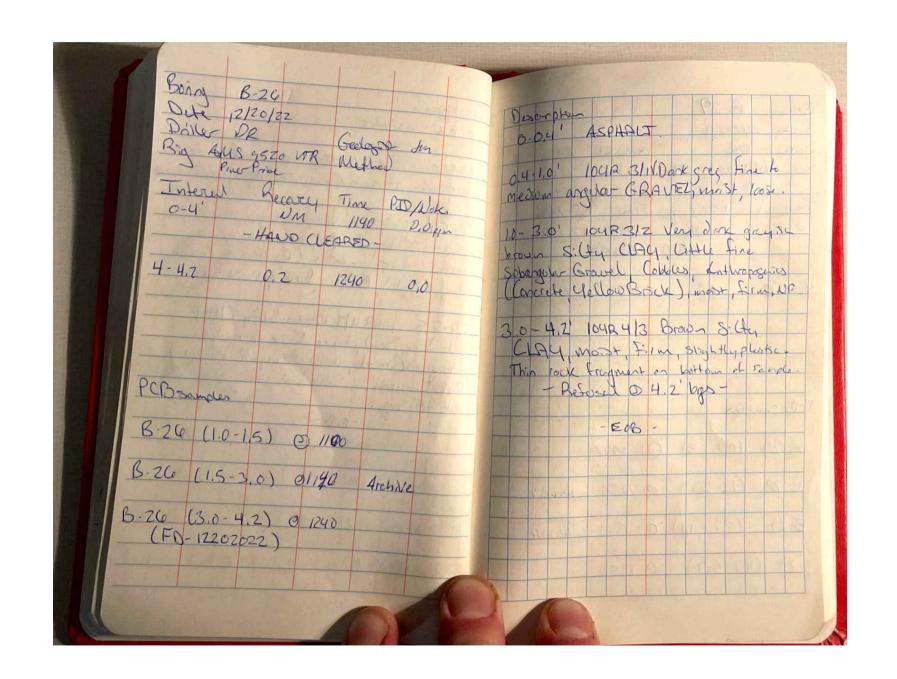




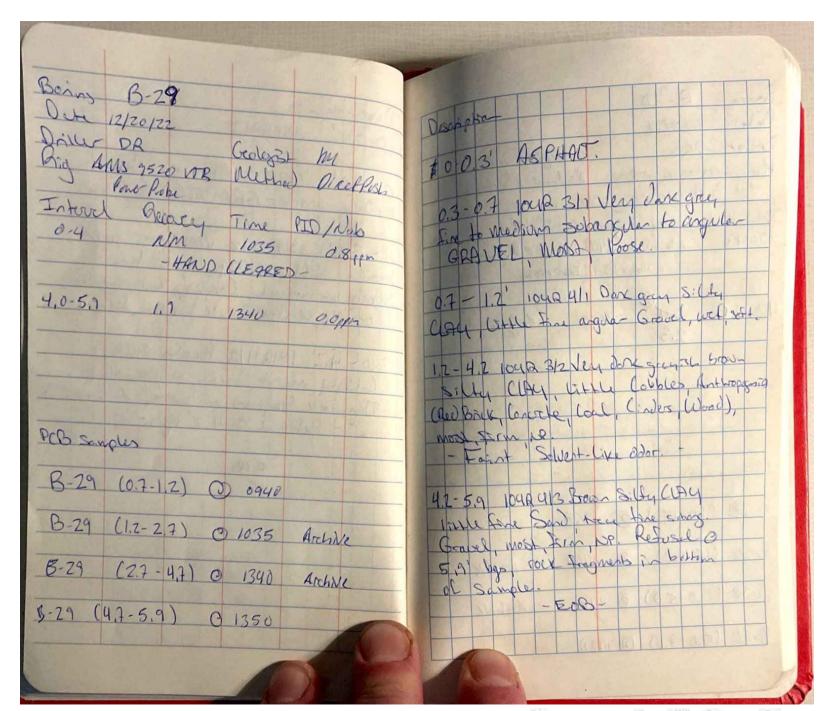
Scanned with CamScanner



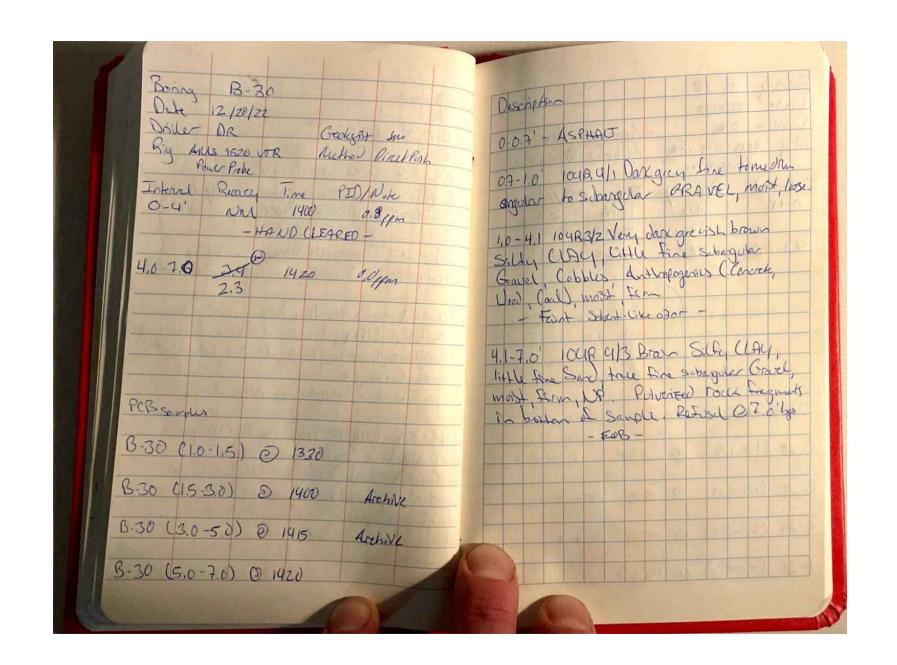
Scanned with CamScanner



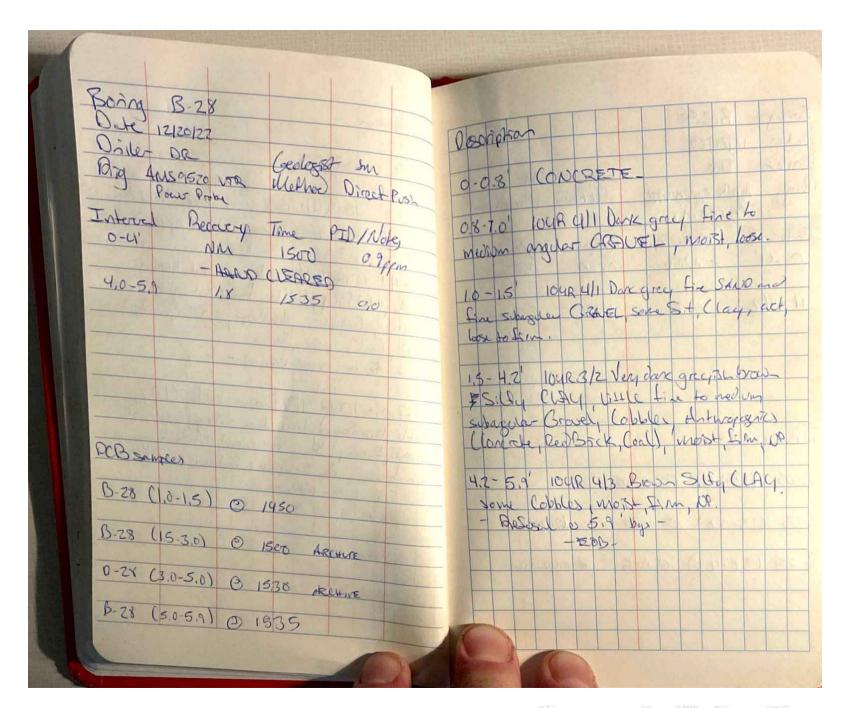
Scanned with CamScanner



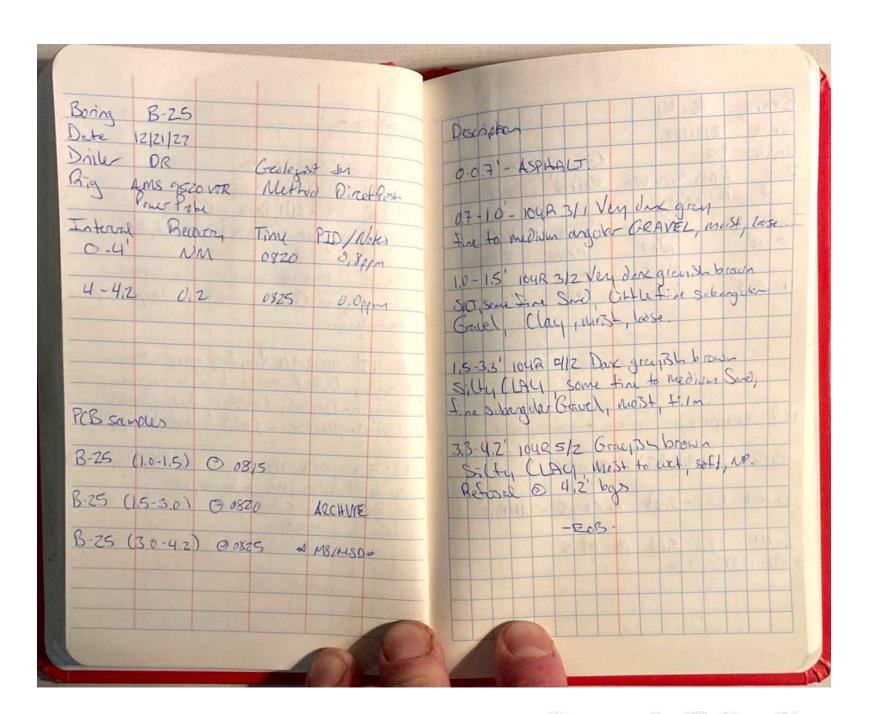
Scanned with CamScanner



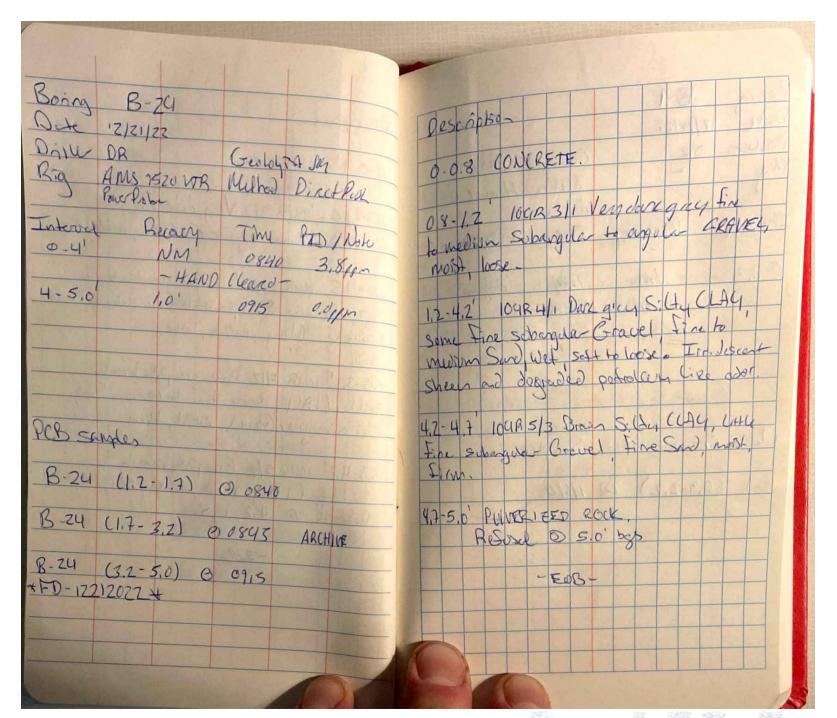
Scanned with CamScanner



Scanned with CamScanner



Scanned with CamScanner



Scanned with CamScanner

Appendix D

Soil Boring Logs

Date Start/Finish: 2/16/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method:

2 inch by 4 foot core barrel Rig Type: AMS 9520 VTR Power Probe Northing: 1067188.3256 Easting: 1078554.3332 Casing Elevation:

Surface Elevation: 651.92

Borehole Depth: 5.1 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: **B-1**

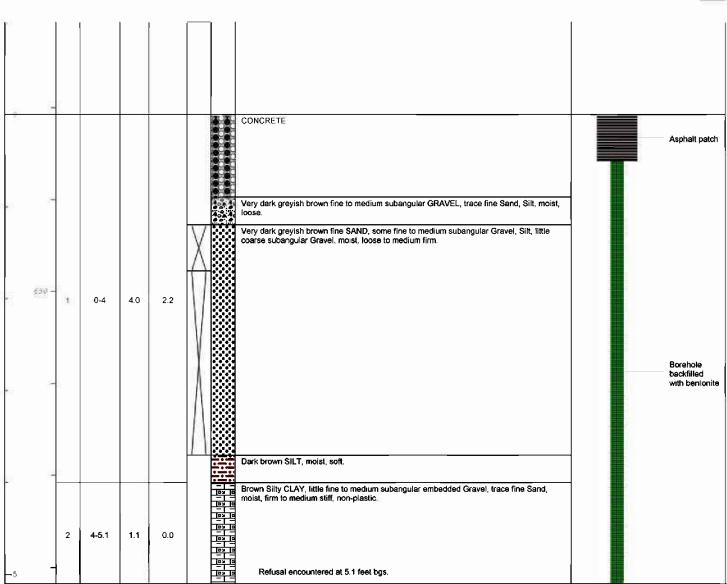
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Elevation (feet AMSL) Sample Run Number Sample/Int/Type Recovery (feet) Analytical Sample Geologic Column uoipdiacesea | Well/Boring Construction |
|--|-----------------------------|
|--|-----------------------------|





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 3/2/2022

Data File: B-1 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/15/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond Drilling Method:

Sampling Method: Rig Type:

Direct push

2 inch by 4 foot core barrel AMS 9520 VTR Power Probe Northing: 1067192.8427 Easting: 1078600.5135 Casing Elevation:

Surface Elevation: 651.92

Borehole Depth: Descriptions By: Well/Boring ID: B-2

Client: National Grid

Location:

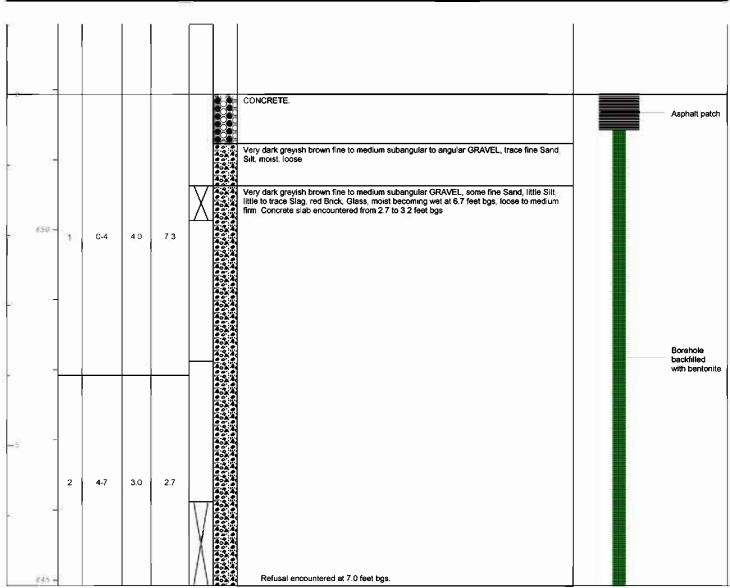
Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Sample Run Number Sample/Int/Type Recovery (feet) Analytical Sample Geologic Column Geologic Column |
|--|
|--|

7.0 feet bgs

Joshua Miller





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 3/2/2022

Data File: B-2 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/10/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: 2 inch by 4 foot core barrel

Rig Type: AMS 9520 VTR Power Probe Northing: 1067191.3898 Easting: 1078662.3970 Casing Elevation:

Surface Elevation: 651.89

Borehole Depth:

Descriptions By: Joshua Miller

5.9 feet bgs

Well/Boring ID: B-3

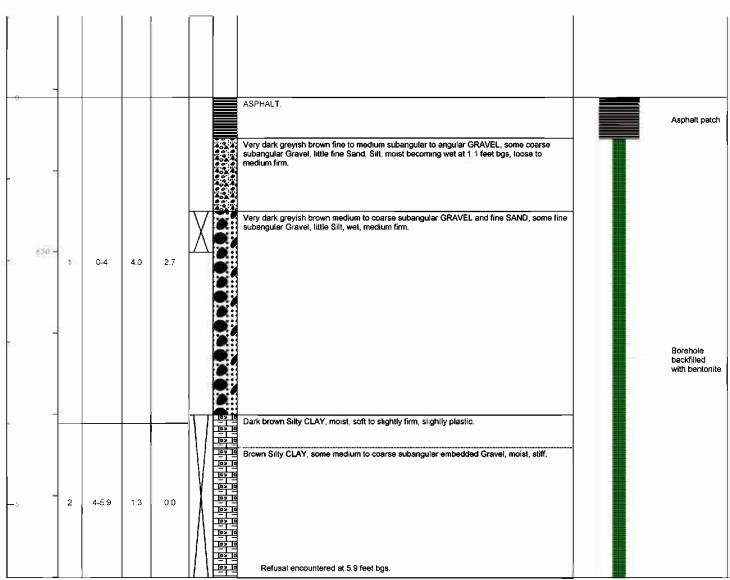
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Sample Run Number Sample/Int/Type Recovery (feet) PID Headspace (ppm) Analytical Sample Geologic Column upped Geologic Column | Weil/Boring Construction |
|--|-----------------------------|
|--|-----------------------------|





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Page:

1 of 1

Project: 30094243.0003 Created/Edited by: JMM Date: 2/23/2022

Data File: B-3 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical Date Start/Finish: 2/10/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method:

2 inch by 4 foot core barrel Rig Type: AMS 9520 VTR Power Probe Northing: 1067194.0659 Easting: 1078679.8274 Casing Elevation:

Surface Elevation: 651.94

Borehole Depth: 6.0 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: **B-4**

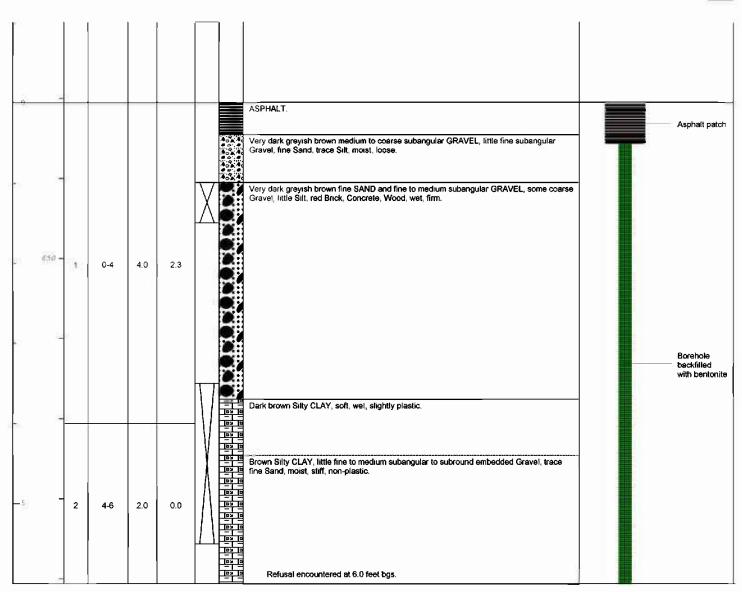
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Elevation (feet AMSL) | Sample Run Number | Recovery (feet) | PID Headspace (ppm) | Analytical Sample Geologic Column | Stratigraphic Description | Well/Boring Construction |
|--|-------------------|-----------------|---------------------|--------------------------------------|---------------------------|-----------------------------|
|--|-------------------|-----------------|---------------------|--------------------------------------|---------------------------|-----------------------------|





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 2/23/2022

Data File: B-4 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/8/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: Rig Type:

2 inch by 4 foot core barrel

AMS 9520 VTR Power Probe

Northing: 1067190.3196 Easting: 1078733.8171 Casing Elevation:

Surface Elevation: 652.11

Borehole Depth: 5.7 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: **B-5**

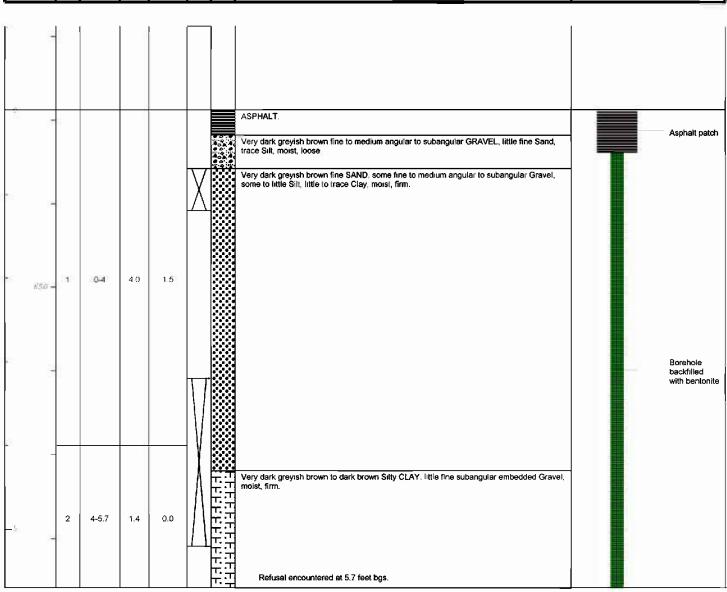
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Elevation (feet AMSL) Sample Run Number Sample/Int/Type Recovery (feet) | nalytical Sample eologic Column | Stratigraphic Description | Well/Boring Construction |
|--|---------------------------------|---------------------------|-----------------------------|
|--|---------------------------------|---------------------------|-----------------------------|





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 2/22/2022

Data File: B-5 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/16/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: 2 inch by 4 foot core barrel Rig Type:

AMS 9520 VTR Power Probe

Northing: 1067138.8284 Easting: 1078552.7485 Casing Elevation:

Descriptions By:

Surface Elevation: 651.57

Borehole Depth:

5.3 feet bgs

Joshua Miller

Client: National Grid

Well/Boring ID:

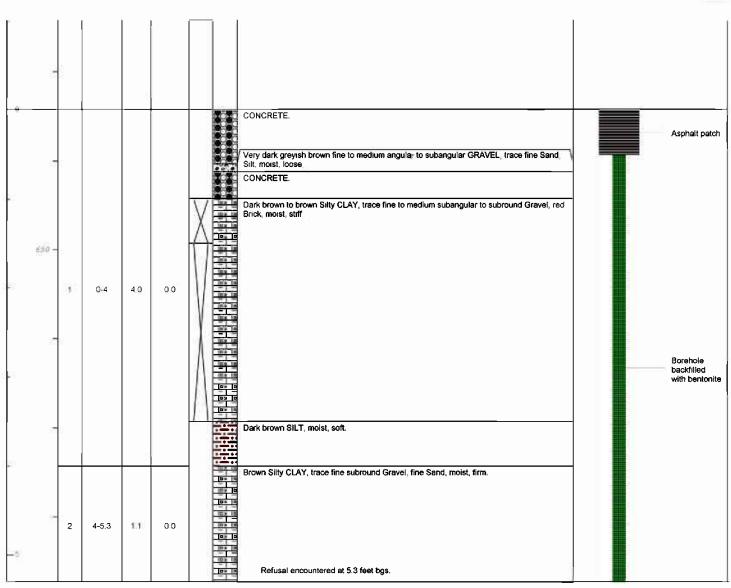
Location:

Dewey/Kensington Service Center

B-6

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Elevation (feet AMSL) | Sample Run Number Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample Geologic Column | Stratigraphic Description | Well/Boring Construction |
|--|--------------------------------------|-----------------|---------------------|--------------------------------------|---------------------------|-----------------------------|
|--|--------------------------------------|-----------------|---------------------|--------------------------------------|---------------------------|-----------------------------|





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 3/2/2022

Data File: B-6 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/15/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond Direct push

Drilling Method: Sampling Method:

Rig Type:

2 inch by 4 foot core barrel

AMS 9520 VTR Power Probe

Northing: 1067145.732 Easting: 1078588.794 Casing Elevation: NA

Surface Elevation: 651.78

Borehole Depth: 5.1 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: **B-7**

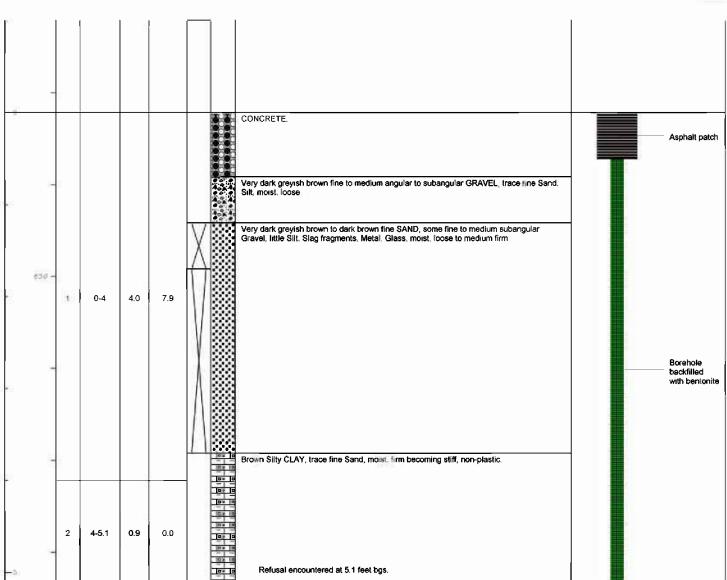
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Sample Run Number Sample/Int/Type Recovery (feet) Analytical Sample Geologic Column upple Column | Well/Boring Construction |
|---|-----------------------------|
|---|-----------------------------|





Data File: B-17

ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Page:

1 of 1

Project: 30094243.0003 Created/Edited by: JMM Date: 2/24/2022

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/14/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method:

2 inch by 4 foot core barrel Rig Type: AMS 9520 VTR Power Probe Northing: 1067146.6375 Easting: 1078635.8156 Casing Elevation:

Surface Elevation: 651.54

Borehole Depth:

Descriptions By: Joshua Miller

5.7 feet bgs

Well/Boring ID: **B-8**

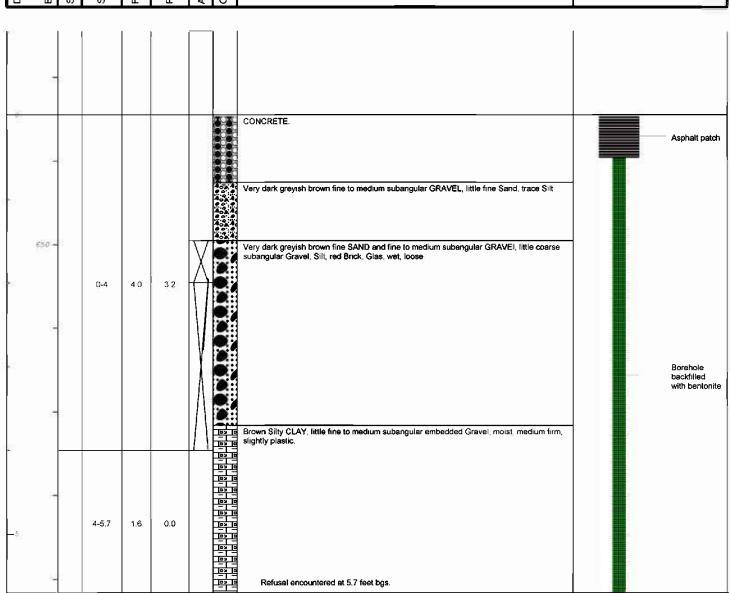
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Elevation (feet AMSL) Sample Run Number Sample/Int/Type Recovery (feet) PID Headspace (ppm) Analytical Sample Geologic Column | Well/Borin atigraphic Description Construction | |
|--|---|--|
|--|---|--|





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 2/24/2022

Data File: B-8 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/10/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:**

Sampling Method: Rig Type:

Direct push 2 inch by 4 foot core barrel

AMS 9520 VTR Power Probe

Northing: 1067143.0108 Easting: 1078692.8912 Casing Elevation:

Surface Elevation: 651.97

Borehole Depth: 6.9 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: **B-9**

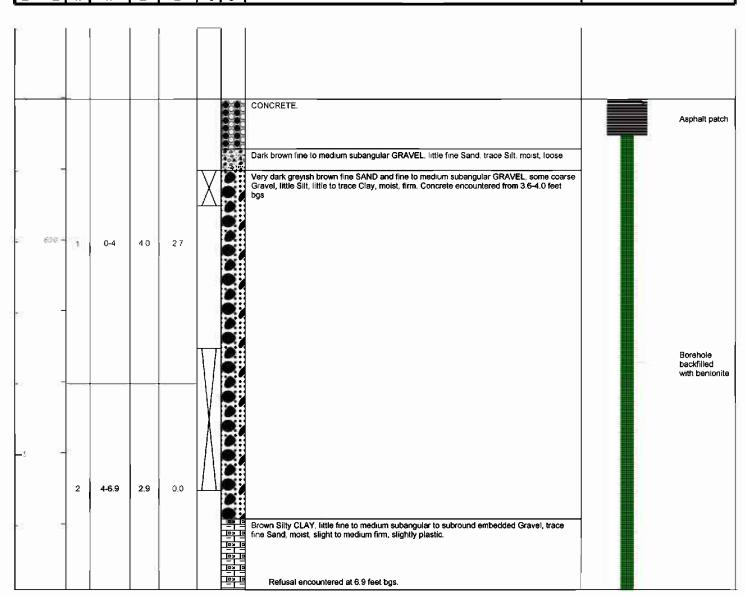
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

Elevation (feet AMSL) Headspace (ppm) Sample Run Number Analytical Sample Well/Boring **Seologic Column** Sample/Int/Type Depth (feet bgs) Recovery (feet) Stratigraphic Description Construction





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003

Data File: B-9

Created/Edited by: JMM Date: 2/24/2022 Page: 1 of 1

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/8/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: 2 inch by 4 foot core barrel Rig Type:

AMS 9520 VTR Power Probe

Delete if not used

Northing: 1067145.7994 Easting: 1078736.1250 Casing Elevation:

Surface Elevation: 652.18

Borehole Depth: 7.0 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: B-10

Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

Elevation (feet AMSL) Headspace (ppm) Sample Run Number Analytical Sample Well/Boring Sample/Int/Type Geologic Column Depth (feet bgs) Recovery (feet) Stratigraphic Description Construction ASPHALT. Asphalt patch Very dark greyish brown fine to medium subangular to angular GRAVEL, little fine Sand, trace Silt, moist, loose. Very dark greyish brown fine SAND, some fine to medium subangular Gravel, little Silt, moist becoming wet at 4.0 feet bgs. 4.0 3.5 650 Borehole backfilled with bentonite Very dark greyish brown Silty fine SAND, little Clay, moist, firm.



2

Data File: B-10

4-7

3.0

0.0

ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 2/22/2022

Brown Silty CLAY, little fine subround embedded Gravel, moist, stiff, non-plastic.

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Refusal encountered at 7.0 feet bgs.

Date Start/Finish: 2/16/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: Rig Type:

2 inch by 4 foot core barrel

AMS 9520 VTR Power Probe

Northing: 1067096.2569 Easting: 1078551.4071 Casing Elevation:

Surface Elevation: 651.62

Descriptions By:

Borehole Depth:

6.5 feet bgs Joshua Miller Well/Boring ID: B-11

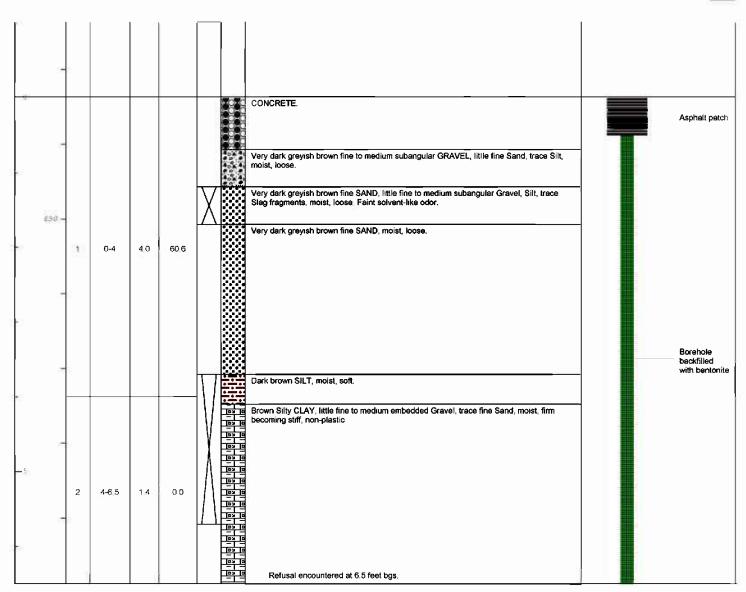
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Elevation (feet AMSL) Sample Run Number Sample/Int/Type Recovery (feet) PID Headspace (ppm) Analytical Sample Geologic Column | Stratigraphic Description | Well/Boring Construction |
|--|---------------------------|-----------------------------|
|--|---------------------------|-----------------------------|





Data File: B-11

ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 3/2/2022

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/15/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:**

Sampling Method: Rig Type:

Direct push 2 inch by 4 foot core barrel

AMS 9520 VTR Power Probe

Northing: 1067101.0184 Easting: 1078597.2192 Casing Elevation:

Surface Elevation: 651.67

Borehole Depth: 7.0 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: B-12

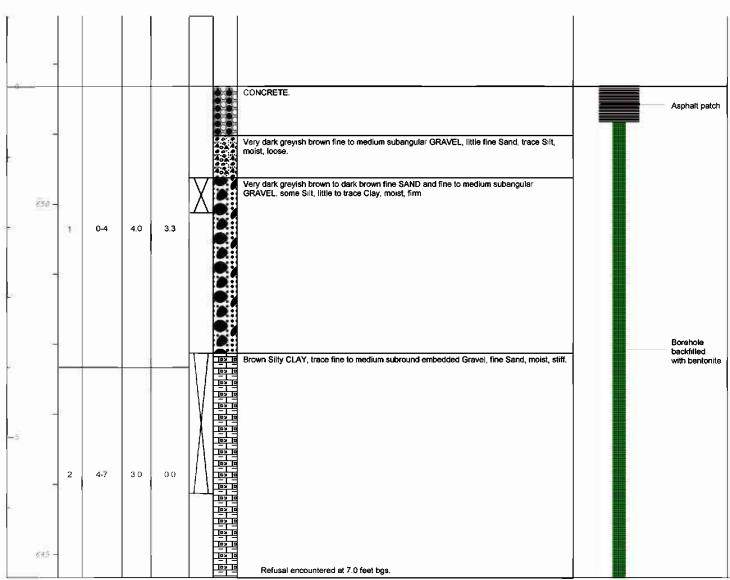
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

Elevation (feet AMSL) Headspace (ppm) Sample Run Number Analytical Sample Geologic Column Well/Boring Sample/Int/Type Depth (feet bgs) Recovery (feet) Stratigraphic Description Construction





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 3/2/2022

Data File: B-12 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/10/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: 2 inch by 4 foot core barrel Rig Type:

AMS 9520 VTR Power Probe

Northing: 1067082.4120 Easting: 1078654.6787 Casing Elevation:

Surface Elevation: 651.51

Borehole Depth: 7.9 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: B-13

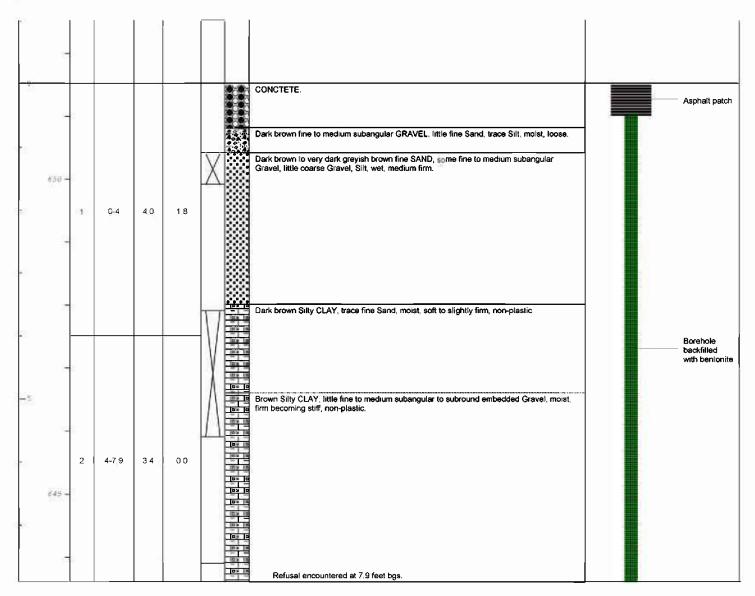
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| oth (feet bgs) | Elevation (feet AMSL) Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample | Geologic Column | Stratigraphic Description | Well/Boring Construction |
|----------------|--|-----------------|-----------------|---------------------|-------------------|-----------------|---------------------------|-----------------------------|
|----------------|--|-----------------|-----------------|---------------------|-------------------|-----------------|---------------------------|-----------------------------|





Data File: B-13

ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Page:

1 of 1

Project 30094243.0003 Created/Edited by: JMM Date: 2/24/2022

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/9/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: Rig Type:

2 inch by 4 foot core barrel

AMS 9520 VTR Power Probe

Northing: 1067091.7535 Easting: 1078677.3252 Casing Elevation:

Surface Elevation: 651.73

Borehole Depth: 7.9 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: **B-14**

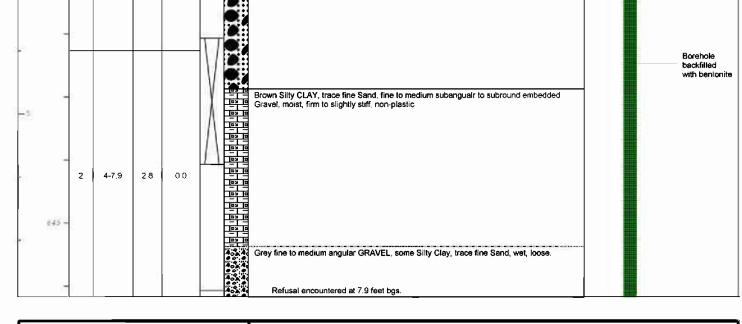
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue

| | | | _ | | | | | Descriptions By: Joshua Miller | Buffalo, NY 14203 | |
|------------------|-----------------------|-------------------|-----------------|-----------------|---------------------|-------------------|-----------------|---|---------------------|-----------------------------|
| Depth (feet bgs) | Elevation (feet AMSL) | Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample | Geologic Column | Stratigraphic Description | | Well/Boring Construction |
| * | | | | | | | | | | |
| | - | ş | | | | U | | ASPH A LT. | | |
| | :=: | E | | | | | 0.00 | Very dark greytsh brown fine to medium subangular GRAVEL, little f Sand, Silt, moist, loose. | fine Sand, medium | Asphalt patch |
| 50 | | | | | | \vee | | Very dark greyish brown fine to medium subangular GRAVEL and fine | ne SAND, some Silt, | |
| 2 | 650 - | :10 | 0-4 | 4.0 | 1.3 | Δ | | | | |
| | 3 | | | | | 19 | | | | |





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 2/22/2022

Data File: B-14 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/8/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond Drilling Method: Direct push

Sampling Method: 2 inch by 4 foot core barrel

Rig Type: AMS 9520 VTR Power Probe Northing: 1067100.4853 Easting: 1078734.8137 Casing Elevation:

Surface Elevation: 651.96

Descriptions By:

Borehole Depth:

Well/Boring ID: B-15

Client: National Grid

Location:

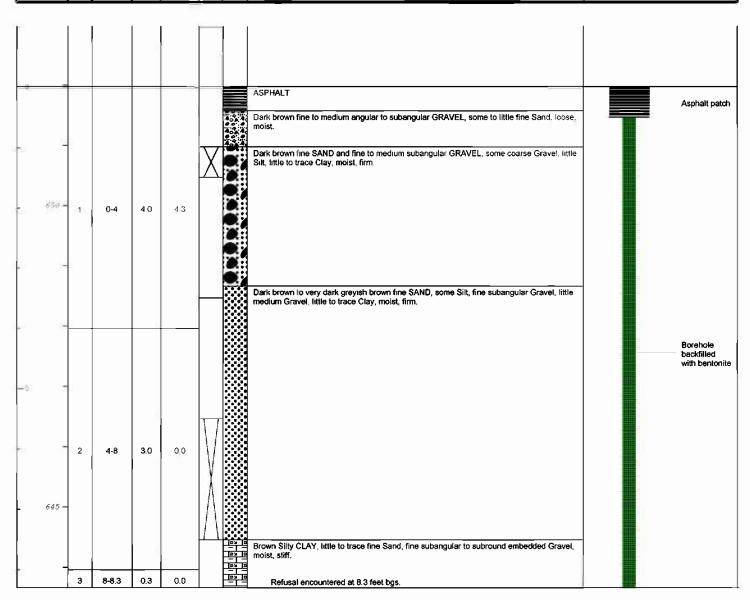
Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Elevation (feet AMSL) Sample Run Number Sample/Int/Type Recovery (feet) PID Headspace (ppm) Analytical Sample Geologic Column | Stratigraphic Description | Well/Boring Construction |
|--|---------------------------|-----------------------------|
|--|---------------------------|-----------------------------|

8.3 feet bgs

Joshua Miller





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Page:

1 of 1

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 2/22/2022

Data File: B-15 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical Date Start/Finish: 2/16/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: 2 inch by 4 foot core barrel Rig Type:

AMS 9520 VTR Power Probe

Northing: 1067050.1079 Easting: 1078553.7387 Casing Elevation:

Surface Elevation: 651.68

Descriptions By: Joshua Miller

Borehole Depth:

Well/Boring ID: B-16

Client: National Grid

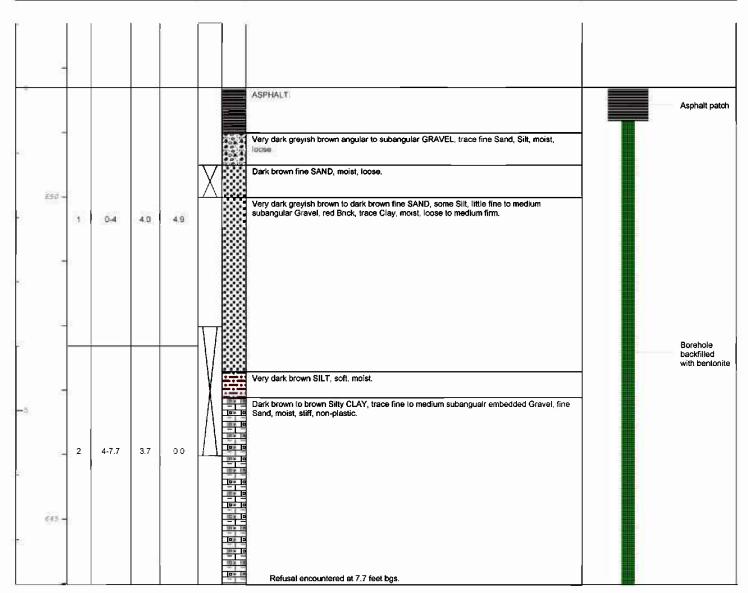
Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| oth (feet bgs) | Elevation (feet AMSL) Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample Geologic Column | Stratigraphic Description | Weil/Boring Construction |
|----------------|--|-----------------|-----------------|---------------------|--------------------------------------|---------------------------|-----------------------------|
|----------------|--|-----------------|-----------------|---------------------|--------------------------------------|---------------------------|-----------------------------|

7.7 feet bgs





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 3/2/2022

Data File: B-16 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/15/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond **Drilling Method:**

Sampling Method: 2 inch by 4 foot core barrel Rig Type: AMS 9520 VTR Power Probe

Direct push

Northing: 1067036.7155 Easting: 1078602.0411 Casing Elevation: Surface Elevation:

Borehole Depth: 8.7 feet bgs

652.21

Descriptions By: Joshua Miller Well/Boring ID: B-17

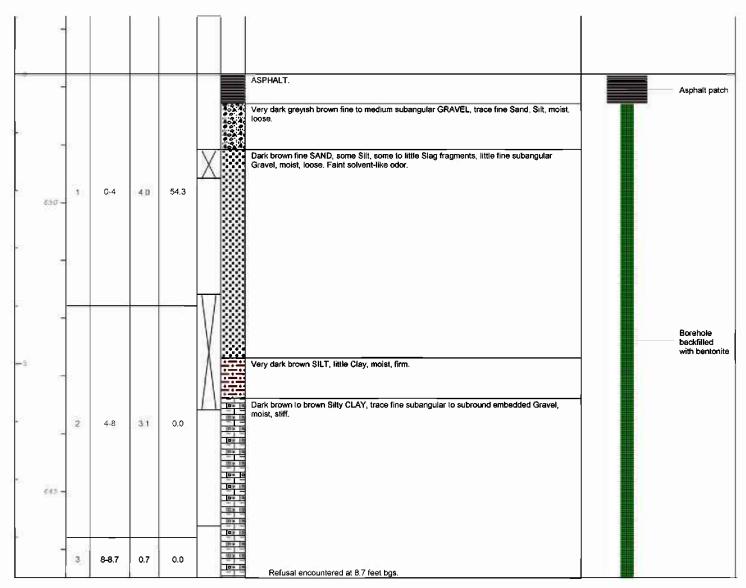
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Sample Run Number Sample/Int/Type Recovery (feet) PID Headspace (ppm) Analytical Sample Geologic Column uoiptical Sample | Well/Boring Construction |
|---|-----------------------------|
|---|-----------------------------|





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Page:

1 of 1

Project: 30094243.0003 Created/Edited by: JMM Date: 2/24/2022

Data File: B-17 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical Date Start/Finish: 2/9/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: 2 inch by 4 foot core barrel Rig Type: AMS 9520 VTR Power Probe Northing: 1067039.3013 Easting: 1078657.8337 Casing Elevation: NA

Surface Elevation: 651.72

Borehole Depth: 9.5 feet bgs

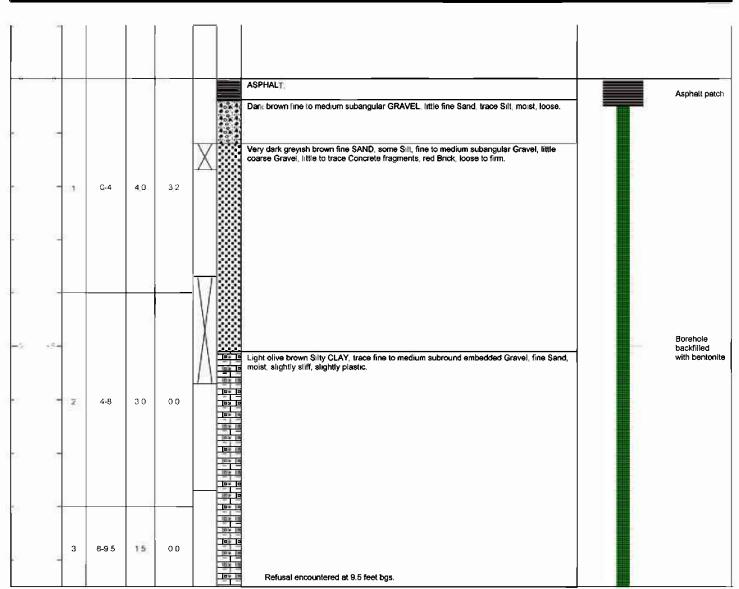
Descriptions By: Joshua Miller Well/Boring ID: B-18

Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203





Data File: B-18

ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Page:

1 of 1

Project: 30094243.0003 Created/Edited by: JMM Date: 2/22/2022

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/9/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: Rig Type:

2 inch by 4 foot core barrel

AMS 9520 VTR Power Probe

Northing: 1067056.1734 Easting: 1078676.3212 Casing Elevation:

Surface Elevation: 651.56

Borehole Depth: 9.5 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: B-19

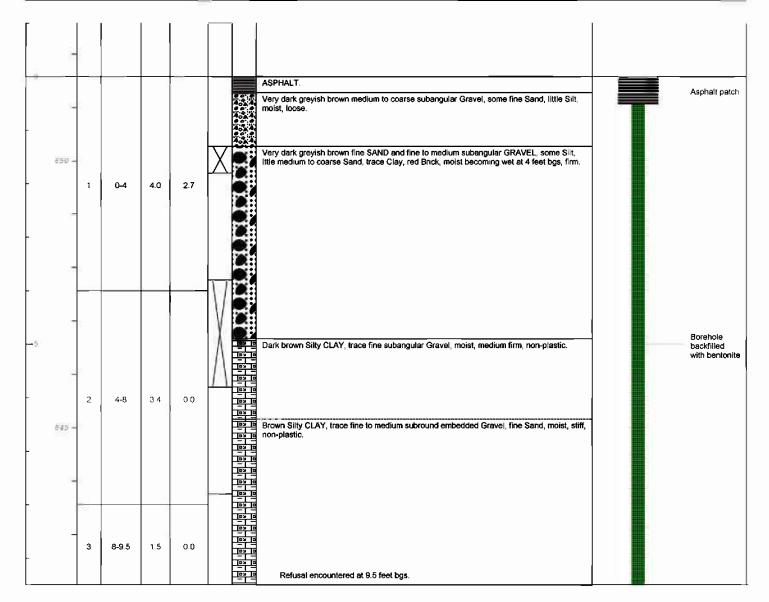
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

Elevation (feet AMSL) Headspace (ppm) Sample Run Number Analytical Sample Well/Boring **Seologic Column** Sample/Int/Type Depth (feet bgs) Recovery (feet) Stratigraphic Description Construction





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Page:

1 of 1

Project: 30094243.0003 Created/Edited by: JMM Date: 2/22/2022

Data File: B-19 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical Date Start/Finish: 2/8/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: 2 inch by 4 foot core barrel Rig Type: AMS 9520 VTR Power Probe Northing: 1067010.2353 Easting: 1078646.2903 Casing Elevation:

Surface Elevation: 651.72

Borehole Depth: 9.0 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: B-20

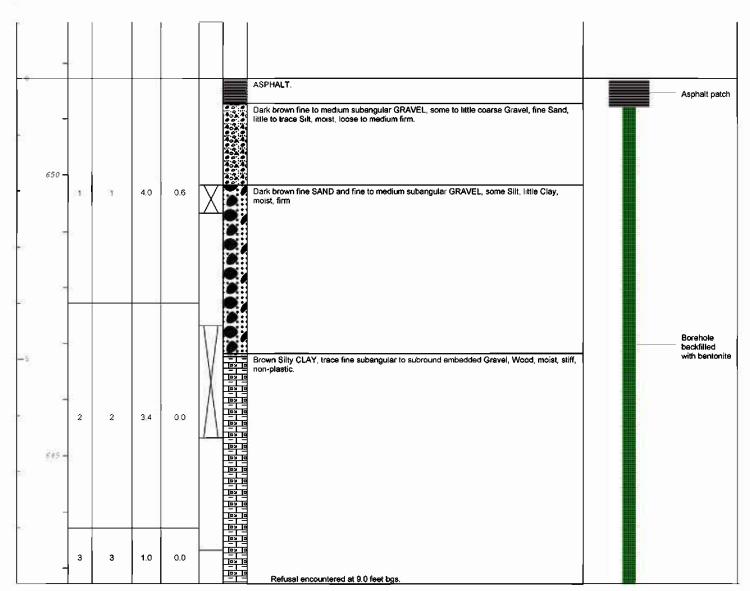
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Elevation (feet AMSL) Sample Run Number Sample/Int/Type Recovery (feet) PID Headspace (ppm) Analytical Sample Geologic Column | Stratigraphic Description | Weil/Boring Construction |
|--|---------------------------|-----------------------------|
|--|---------------------------|-----------------------------|





ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Page:

1 of 1

Project: 30094243.0003 Created/Edited by: JMM Date: 2/22/2022

Data File: B-20 Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical Date Start/Finish: 2/14/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method:

2 inch by 4 foot core barrel Rig Type: AMS 9520 VTR Power Probe Northing: 1067010.2353 Easting: 1078646.2903 Casing Elevation:

Surface Elevation: 651.72

Borehole Depth: 9.8 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: B-21

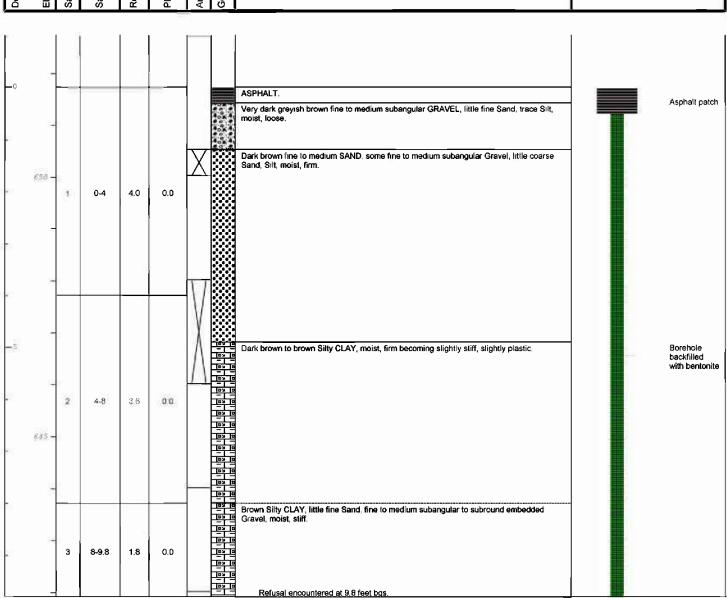
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

Elevation (feet AMSL) Headspace (ppm) Sample Run Number Analytical Sample Well/Boring Seologic Column Sample/Int/Type Depth (feet bgs) Recovery (feet) Construction Stratigraphic Description





Data File: B-21

ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Page:

1 of 1

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 2/24/2022

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/14/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:**

Sampling Method:

Direct push

2 inch by 4 foot core barrel Rig Type: AMS 9520 VTR Power Probe Northing: 1067010.7762 Easting: 1078691.4822 Casing Elevation: NA

Surface Elevation: 651.35

Borehole Depth: Descriptions By:

10.4 Joshua Miller Well/Boring ID: **B-22**

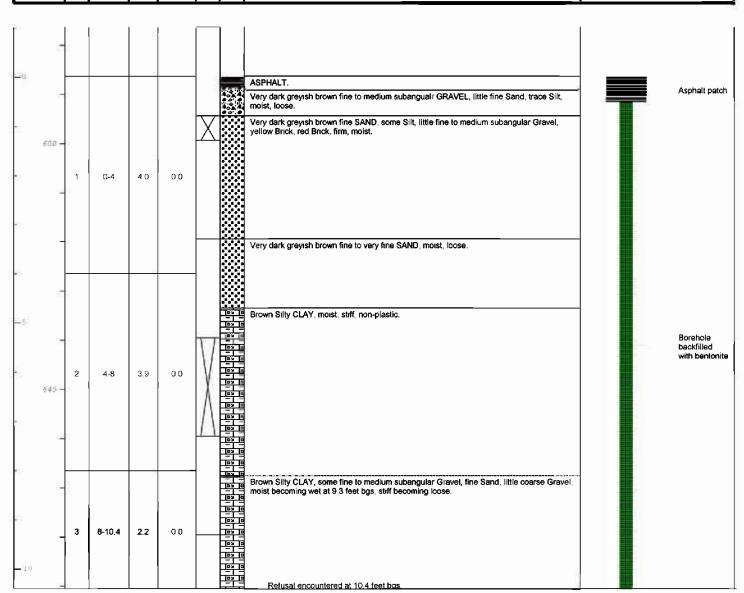
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) | Elevation (feet AMSL) Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample | Geologic Column | Stratigraphic Description | Well/Boring Construction |
|------------------|--|-----------------|-----------------|---------------------|-------------------|-----------------|---------------------------|-----------------------------|
|------------------|--|-----------------|-----------------|---------------------|-------------------|-----------------|---------------------------|-----------------------------|





Data File: B-22

ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: JMM Date: 2/24/2022

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 2/8/2022 Drilling Company: Arcadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: 2 inch by 4 foot core barrel Rig Type: AMS 9520 VTR Power Probe Northing: 1078736.2933 Easting: 1078736.2933 Casing Elevation:

Surface Elevation: 651.37

Borehole Depth: 11.3 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: B-23

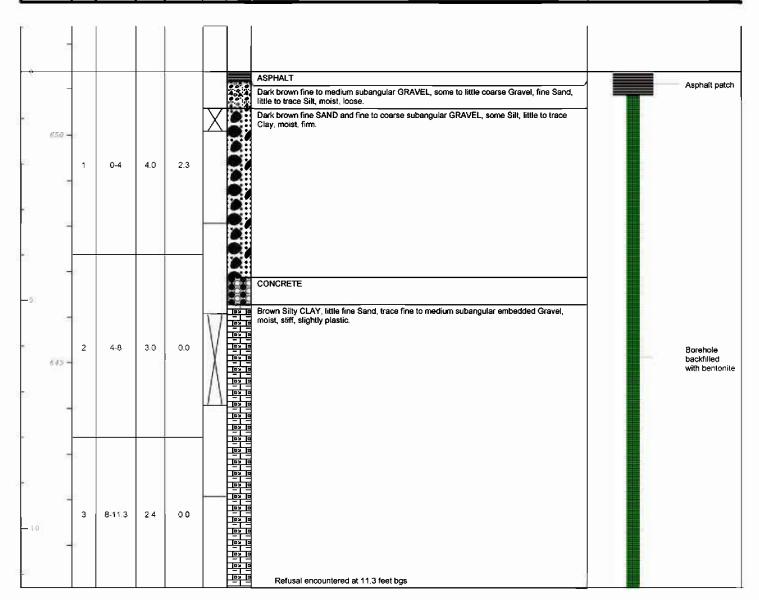
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) | levation (feet AMS | Sample Run Number Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample | Geologic Column | Stratigraphic Description | Well/Boring Construction |
|------------------|--------------------|--------------------------------------|-----------------|---------------------|-------------------|-----------------|---------------------------|-----------------------------|
|------------------|--------------------|--------------------------------------|-----------------|---------------------|-------------------|-----------------|---------------------------|-----------------------------|





Data File: B-23

ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million. Remarks:

Soils screened using 10.6eV lamp photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Page:

1 of 1

Project: 30094243.0003 Created/Edited by: JMM Date: 2/22/2022

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date Start/Finish: 12/21/2022 Drilling Company: Areadis

Driller's Name: Douglas Richmond
Drilling Method: Direct push

Sampling Method: Rig Type: 4 ft.Macro-Core barrel

AMS 9520 VTR Power Probe

Northing: 1067192.8860 Easting: 1078590.1508 Casing Elevation: NA

Surface Elevation:

Borehole Depth: 5.0 feet bgs

651.69

Descriptions By: Joshua Miller

Well/Boring ID: B-24

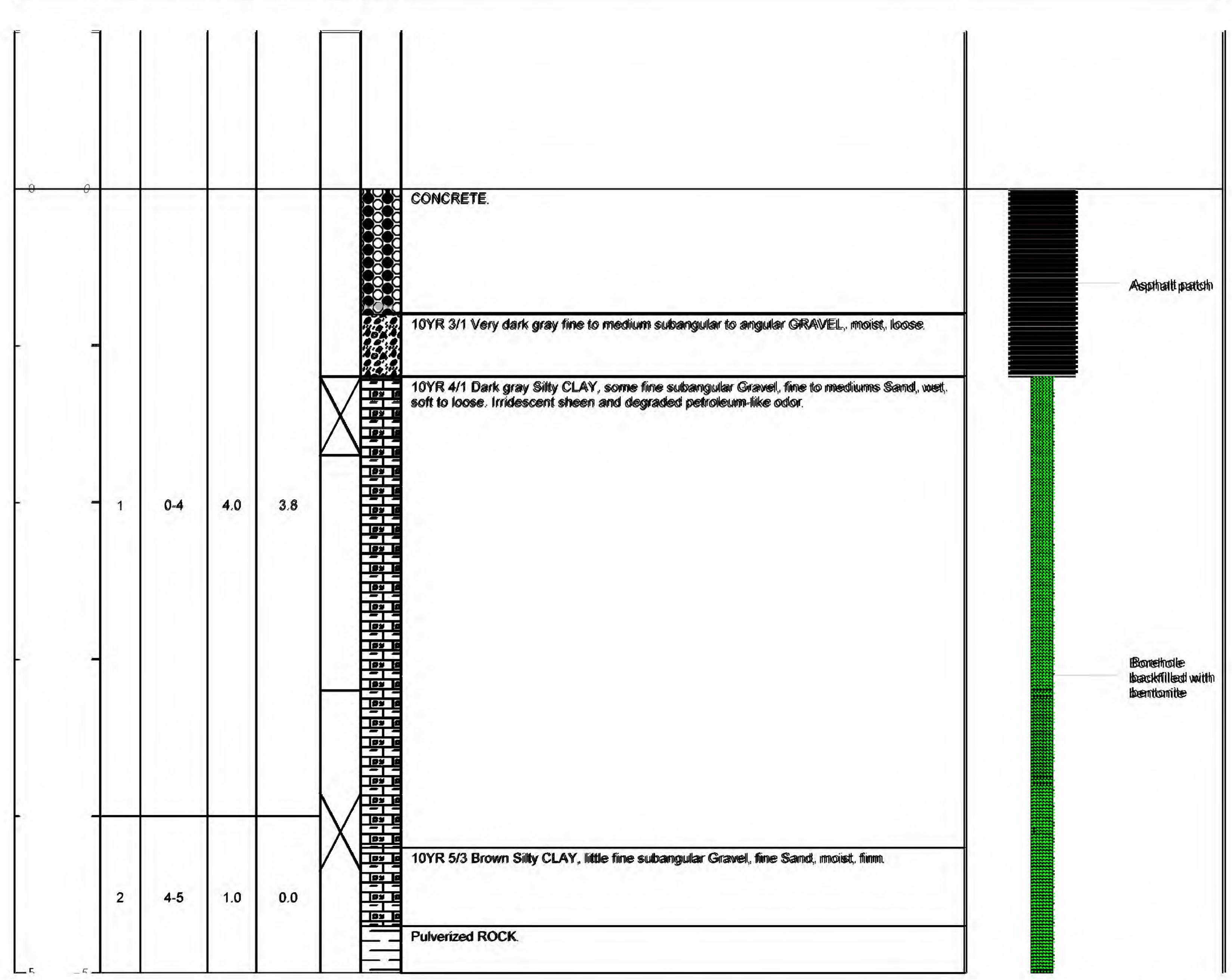
Chent: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Ellevation (feet AMSL) Sample Rum Number Sample/Int/Type Sample/Int/Type PIID Headspace (ppm) Analytical Sample Geologic Column | Stratigraphic Description | Well/Borring Construction |
|---|---------------------------|------------------------------|
|---|---------------------------|------------------------------|





Remarks: ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL=

Above Mean Sea Level; PID = photoionization detector; ppm = parts per million.

Soils screened using photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003

Data File: NG-DK-B-24

Created/Edited by: JMN

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date:

11/44/2023

Page: 1 off 1

Date Start/Finish: 12/21/2022 Drilling Company: Areadis

Driller's Name: Douglas Richmond
Drilling Method: Direct push

Sampling Method: 4 ft. Macro-Core barrel

Rig Type: AMS 9520 VTR Power Probe

Northing: 1067219.4432 Easting: 1078593.8987 Casing Elevation: NA

Surface Elevation:

Berehele Depth: 4.2 feet bgs

651.76

Descriptions By: Joshua Miller

Well/Bering ID: B-25

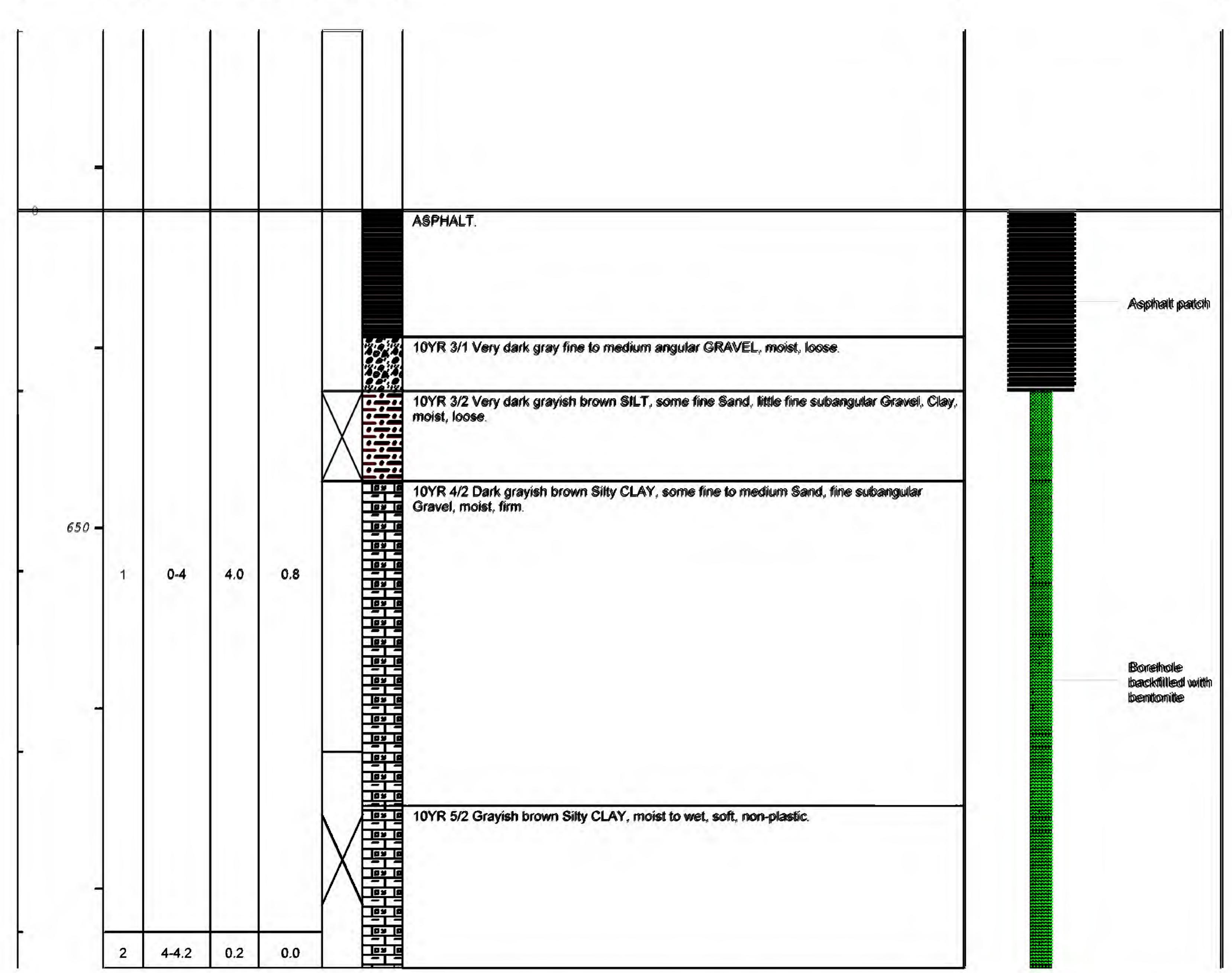
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Desputh (fleet bgs) Sample Rum Number Sample/Int/Type Recovery (fleet) Amalytical Sample Geologic Column uniquiassed signer Geologic Column uniquiassed | Well/Boring Construction |
|---|-----------------------------|
|---|-----------------------------|



ARCADIS Design & Consultancy for natural and built assets

Remarks: ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL=

Above Mean Sea Level; PID = photoionization detector; ppm = parts per million.

Soils screened using photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Data File: NG-DK-B-25 Created/Edited by: JMM

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date:

1/4/2023

12/20/2022 Date Start/Finish: **Drilling Company:** Areadis

Driller's Name: Deuglas Richmend **Brilling Methed:** Direct push

Sampling Method: 4 ft.Maere-Cere barrel Rig Type:

AMS 9520 VTR Power Probe

Northing: 1067217.9850 Easting: 1078642.0882 Casing Elevation: NA

Surface Elevation: 651.79

Berehele Depth: 4.2 feet bgs

Descriptions By: Joshua Miller Well/Bering ID: B-26

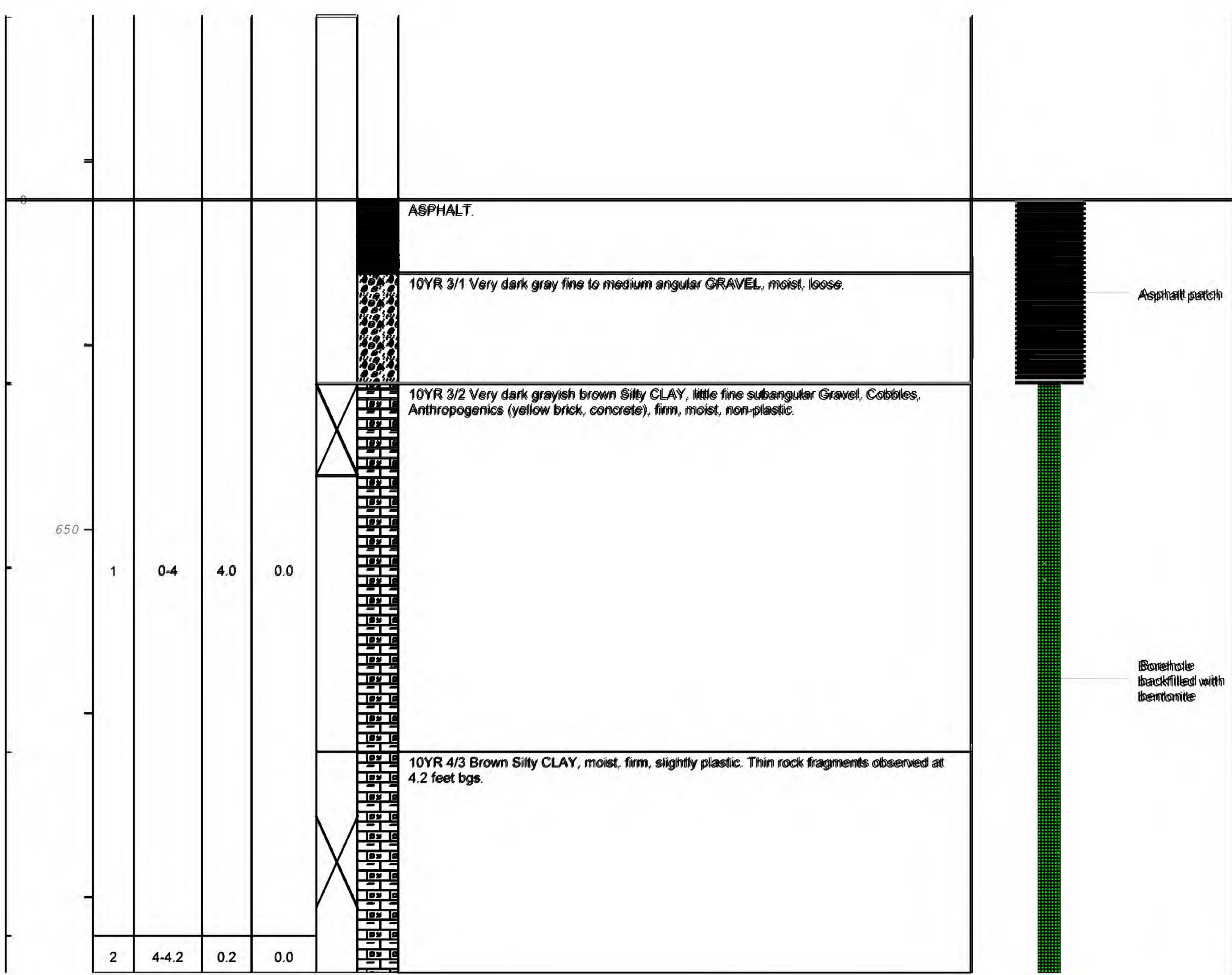
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| wathom (ffee | Sammpolie//Imit//Tlyspe | Recovery (feet)) | PIID) Heardspace ((pppmm)) | Amallytical Sammple Seologic Column | Stratigraphic Description | Well/Boring Construction |
|--------------|-------------------------|------------------|----------------------------|--|---------------------------|--------------------------|
| <u> </u> | | ₽ | 륜 | | | |





Data File: NG-DK-B-26

ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Remarks:

Above Mean Sea Level; PID = photoionization detector; ppm = parts per million.

Soils screened using photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Created/Edited by: 11/41/2023 Datte:

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

11 off 11

Date Start/Finish: 12/19/2022 **Drilling Company:** Arcadis

Driller's Name: Douglas Richmond

Drilling Method: Direct push

4 ft.Macro-Core barrel

Rig Type:

Sampling Method:

AMS 9520 VTR Power Probe

Casing Elevation:

Northing:

Easting:

Surface Elevation: 651.93

Borehole Depth: 5 feet bgs

Descriptions By: Joshua Miller

1067216.0375

1078729.3558

NΑ

Well/Boring ID: B-27

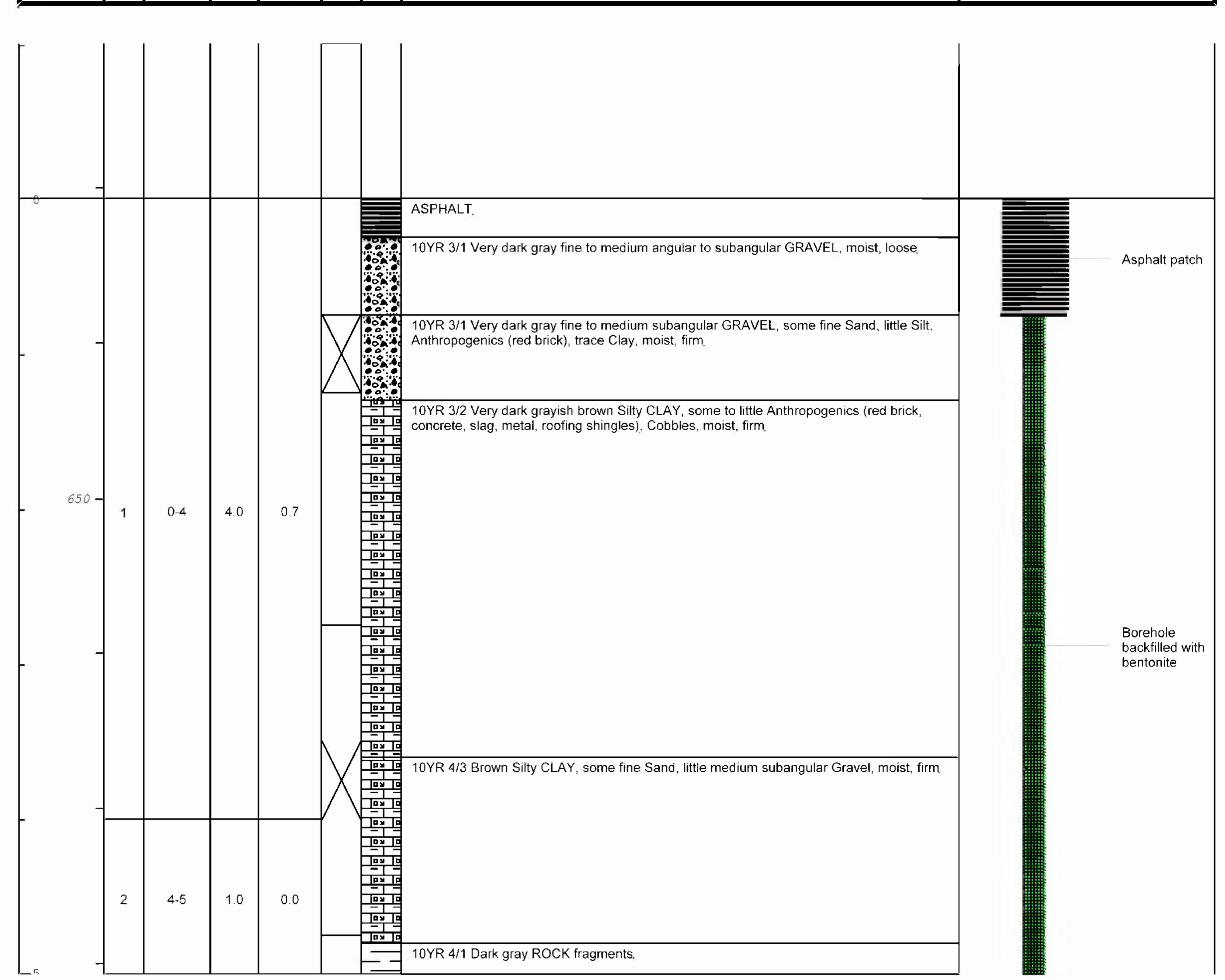
Client: National Grid

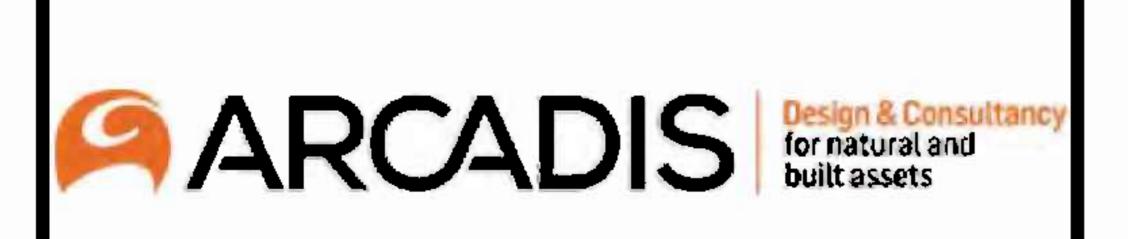
Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

(mdd) vation (feet AMSL) Sample Well/Boring Sample/Int/Type Headspace (feet) Stratigraphic Description Construction Analytical Recovery Depth





Remarks: ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL=

Above Mean Sea Level; PID = photoionization detector; ppm = parts per million,

Soils screened using photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods prior to drilling.

Created/Edited by: 1/4/2023 30094243.0003 Date Project: JMM Data File: NG-DK-B-27

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

1 of 1 Page

Date Start/Finish: 12/20/2022 **Drilling Company:** Areadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: Rig Type:

4 ft. Maere-Cere barrel

AMS 9520 VTR Power Probe

Northing: 1067170.7545 Easting: 1078626.0099 Casing Elevation: NA Surface Elevation:

Berehele Depth: 5.9 feet bgs

651.61

Descriptions By: Joshua Miller Well/Boring ID: **B-28**

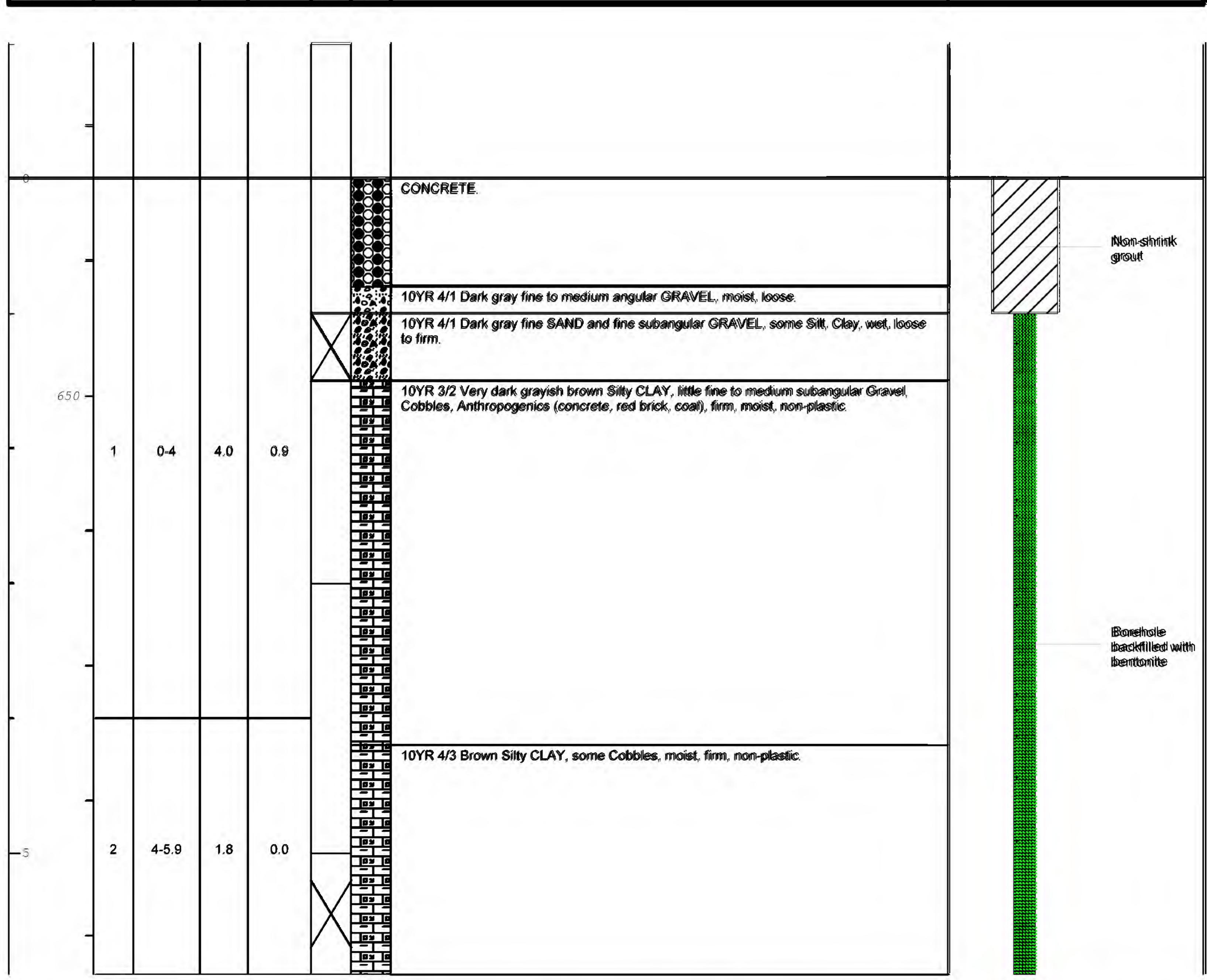
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Deptith (fleet bgs) Elevation (fleet AMSL) Sample Rum Number Sample/Inti/Type Recovery (fleet) PIID Headspace (ppm) Analytical Sample Geologic Column | Stratigraphic Description | Well/Boring Construction |
|--|---------------------------|--------------------------|
|--|---------------------------|--------------------------|





Remarks: ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL=

Above Mean Sea Level; PID = photoionization detector; ppm = parts per million.

Soils screened using photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

30094243.0003 Project: Data File: NG-DK-B-28

Created/Edited by:

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Datte:

11/41/2023

11 off 11

12/20/2022 Date Start/Finish: **Drilling Company:** Areadis

Driller's Name: Dauglas Richmond Direct push **Drilling Method:**

Sampling Method: Rig Type:

4 ft. Macro-Core barrel

AMS 9520 VTR Power Probe

Northing: 1067164.1237 Easting: 1078733.7856 Casing Elevation: NA

Berehele Depth:

Surface Elevation: 651.97

Descriptions By: Joshua Miller

5.9 feet bgs

Well/Boring ID: B-29

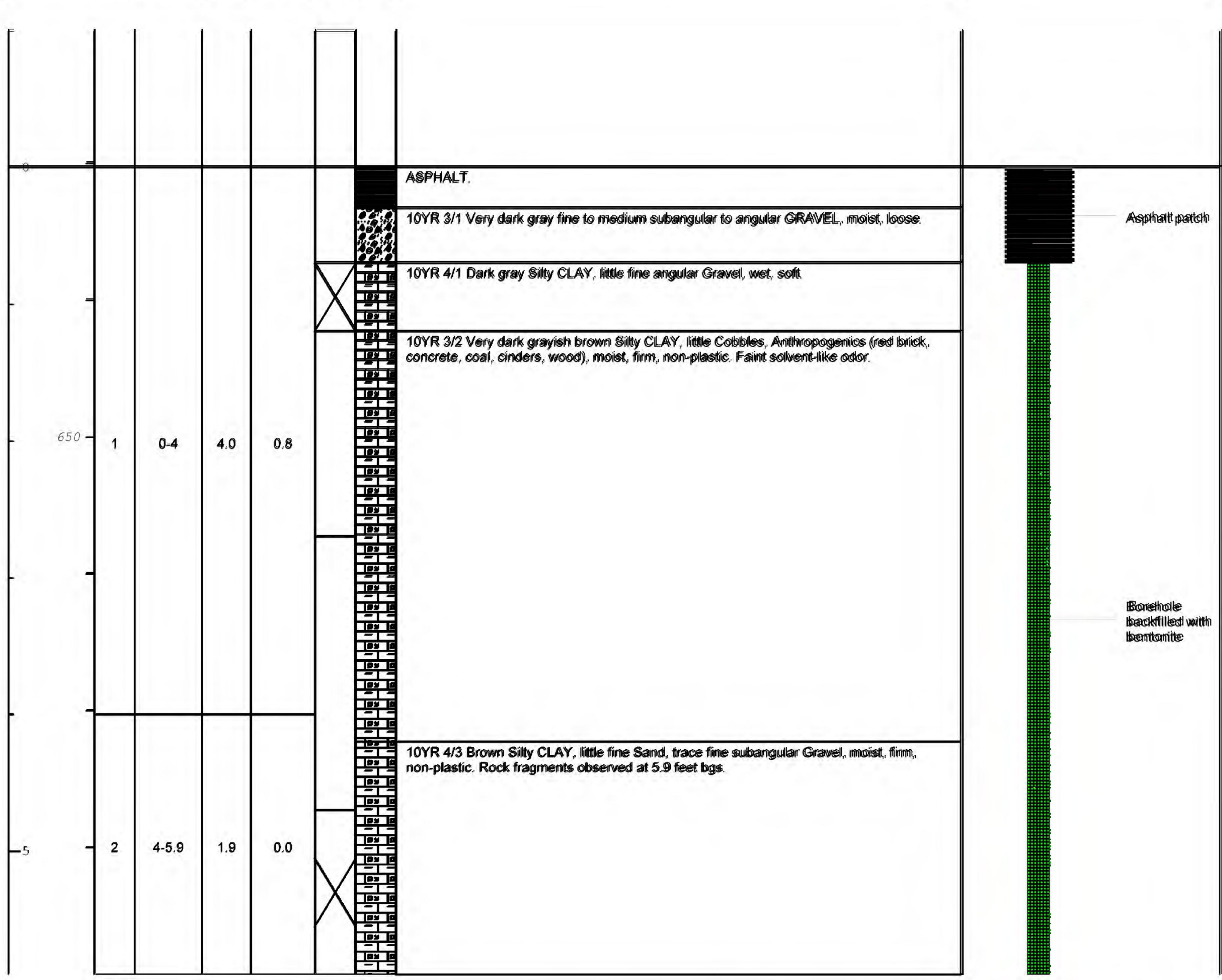
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Elevation (feet AMSL) Sample/Int/Type Sample/Int/Type PID Headspace (ppm)) Analytical Sample Geologic Column | Stratigraphic Description | Well/Boring Construction |
|---|---------------------------|--------------------------|
|---|---------------------------|--------------------------|



ARCADS Design & Consultancy for natural and built assets

Remarks: ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million.

Soils screened using photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Data File: NG-DK-B-29

Created/Edited by:

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Datte:

11/41/2023

11 coff 11

Date Start/Finish: 12/20/2022 Areadis **Drilling Company:**

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: Rig Type:

4 ft. Macro-Core barrel AMS 9520 VTR Power Probe

1067147.6078 Northing: Easting: 1078747.7158 Casing Elevation: NA Surface Elevation: 652.11

Borehole Depth: 7.0 feet bgs

Descriptions By: Joshua Miller Well/Boring ID: B-30

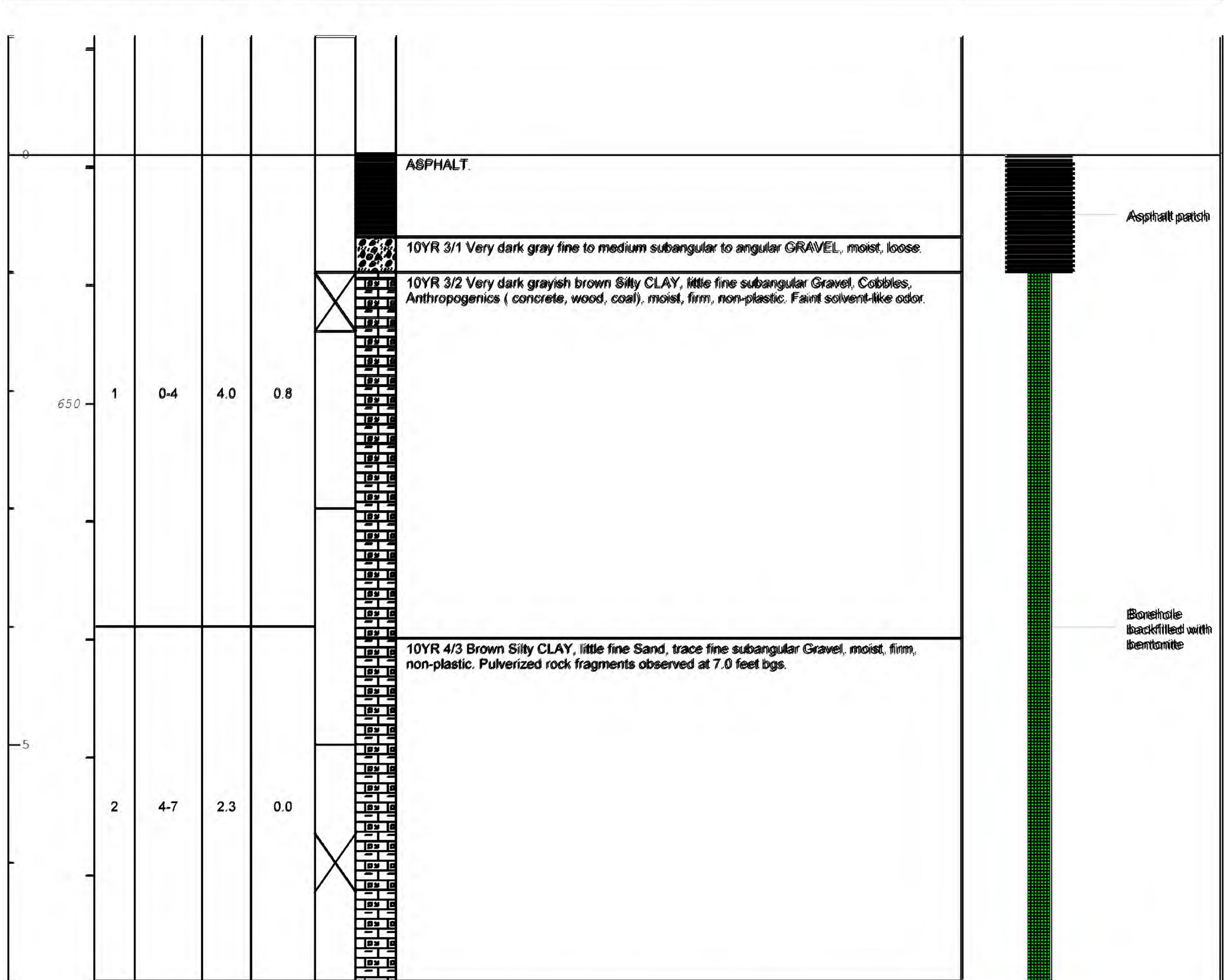
Crient: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203







ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Remarks:

Above Mean Sea Level; PID = photoionization detector; ppm = parts per million.

Soils screened using photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Data File: NG-DK-B-30

Created/Edited by:

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Date:

11/44/2023

11 off 11

12/20/2022 Date Start/Finish: **Drilling Company:** Areadis

Driller's Name: Douglas Richmond **Drilling Method:** Direct push

Sampling Method: Rig Type:

4 ft.Macre-Cere barrel AMS 9520 VTR Power Probe

1067123.5968 Northing: Easting: 1078733.8017 Casing Elevation: NA

Surface Elevation: 651.82

Descriptions By:

Borehole Depth:

7.5 feet bgs

Joshua Miller

Well/Boring ID: B-31

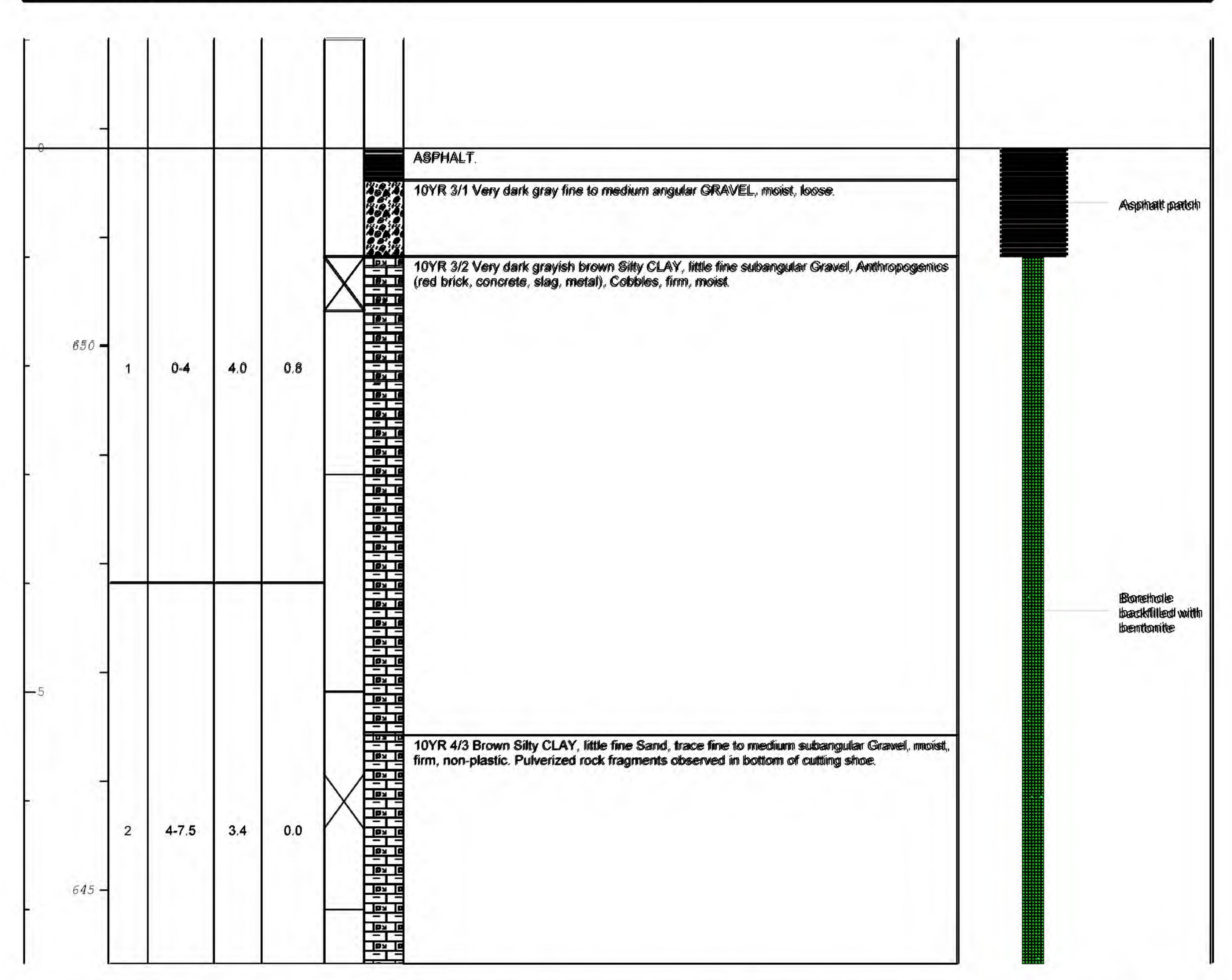
Client: National Grid

Location:

Dewey/Kensington Service Center

114 Kensington Avenue Buffalo, NY 14203

| Depth (feet bgs) Sample Run Numb Sample Run Numb Secondarical Sample Recovery (feet) Stratigraphic Description Construction Construction Construction Construction | Desputh (Frencet | evation (feet | ammple//limit//Trype | Recowerry (fee | IID Headspace | | sologic Colur | Stratigraphic Description | |
|--|------------------|---------------|----------------------|----------------|---------------|--|---------------|---------------------------|--|
|--|------------------|---------------|----------------------|----------------|---------------|--|---------------|---------------------------|--|





Remarks: ags = above ground surface; bgs = below ground surface; NA = Not Applicable/Available; AMSL= Above Mean Sea Level; PID = photoionization detector; ppm = parts per million.

Soils screened using photoionization detector.

Borings hand cleared from 0 to 4 ft. bgs using soft dig methods, prior to drilling.

Project: 30094243.0003 Data File: NG-DK-B-31

Created/Edited by:

11/41/2023

Template: G:\Div11\Rockware\Logplot 8 Templates\geoprobe analytical

Datte:

Appendix E

IDW Disposal Documentation

D144465

BHOCHE

Form Approved. OMB No. 2050-0039

| UN | IFORM HAZARDOUS ' | | 730 1 978 390 | 1 1 | (800) 424-S | | 02 | 152 | 314 | 3 J | JK |
|-----------|--|--|--|--|--|---------------------------------|---|--|-----------------------------------|-----------------------------|----------------|
| 5. G | enerator's Name and Mailing | Address | And I | | Generator's Site Address | (if different th | an mailing addre | ess) | | | |
| 100 | liagara Mohawk Po | | | | 010 011 4 | 4 4 10 1 | | D. #-1- | h D 4 4 40 | | |
| | (OAR) | Syracuse, NY 1320 | | ñ | SIR Site - 14 | 14 Kensii | ngton Ave. | , Bullalo | , NY 142 | 14 | |
| 140,000 | erator's Phone; (315) 2 ransporter 1 Company Name | 247-6490 Att: Steve | Stucker | | | | U.S. EPA ID | Number | | | _ |
| 0.11 | Sun Environmente | Corporation | | | 5 | | Î | R 000 17 | 6 958 | | |
| 7. Ti | ansporter 2 Company Name | Corporation | | | | | U.S. EPA ID | CALL STREET, S | 0 300 | | |
| | | | | | | | İ | | | | |
| 12011234 | esignated Facility Name and | Site Address | - | | | | U.S. EPA ID | Number | | | |
| | Cycle Chem, Inc. | | 20 | | | | 546 | | | | |
| | lity's Phone: 717-938-4 | Lewisberry, PA 173: izoo | 39 | | | | PAL | 067 09 | 8 822 | | |
| | | (including Proper Shipping Nar | no Hozard Class ID Numbo | | 10 Conto | inore | 11. Total | 40 (| | | |
| 9a. HM | 10 11 0 11 | | ne, nazaru Glass, ib Numbe | 1, | No. | No. Type | | 12. Unit Wt./Vol. | 13. \ | Naste Code | es |
| X | 1. RO IN3432 | Polychlorinated Bip | shenvis Solid 9 F | SG III | | DM | Quantity 505 | К | B007 L | | |
| | (PCB Solids | The state of the s | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | O | 2 | | | | 5007 | | |
| | | | | | - | | 30 7 | | | | |
| X | ² RQ, UN2315, (PCB Liquid : | Polychlorinated Bipl > 500 ppm) | henyls, Liquid, 9, I | PG III | | DM | 41 | K | B003 | В | |
| - | 3. | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | ļ | | | | | |
| | 4. | | | | | | 740 | | | | |
| | | | | | | | | | | | |
| 14. | Special Handling Instructions | and Additional Information | EH OT 91101 | 1431 3 | 143-2 314 | 13-3 | | - | 2-1- | - 11 | Nz 454 |
| 1: | App/Profile: 18602 | and Additional Information US 9-PCB2 (TSCA solid | d'>500ppm) ERG | 171 "Out o | f service date: " | 12/19/2 | 2 Contain | er Size: | 27 95 | 3 | W.C. 880 |
| | | 1-TWI22 (TSCA wa | | | | date: | 2/20/22(| Containe | | | |
| | | ONSE INFORMATION | | | | | | | | -MSCI | |
| 15. | GENERATOR'S/OFFEROR' marked and labeled/placarde | S CERTIFICATION: I hereby one of and are in all respects in pro | declare that the contents of the oper condition for transport a | nis consignment a ecording to applica | re fully and accurately de able international and nat | escribed above ional governm | e by the proper s nental regulations | hipping name s. If export sh | e, and are clas ipment and I a | sified, pack am the Prim | kaged, nary |
| | Exporter, I certify that the con | ntents of this consignment confo ization statement identified in 4 | orm to the terms of the attach | ned EPA Acknowle | edgment of Consent. | | | · | | | |
| Gen | erator's/Offeror's Printed/Type | | 0 GFR 202.27 (a) (II I alli a la | | ature | all quality ge | lierator) is true. | | Mon | th Day | / Year |
| 16 | PRERT W. N | DOTARD ON | BEHALF D | FI | COLTO | 1 x | 200 | | 1 | 117 | 123 |
| - 1 | nternational Shipments | Import to U.S. | | Export from U. | .S. Port of er | ntry/exit: | | | | | - |
| Trar | nsporter signature (for exports | | | | Date leav | | | | | | |
| 17. 1 | Fransporter Acknowledgment of | | | | | | | | | al D | . V |
| Iran | sporter 1 Dinited/Typed Name | Pant X | | Sign I | TO CO | OITE | 7 | | Mon | th Day | Year |
| Tran | sporter 2 Printed/Typed Name | Juen - | | Sign | alure 90 | | | | Mori | ith Day | Year |
| | 71.7 | | | 10 | | | | | 1 | 1 | Ĩ |
| _ | Discrepancy | | | | | | | | | | 1 |
| 18a. | Discrepancy Indication Space | e Quantity | Туре | | Residue | | Partial Re | election | | Full Re | iection |
| | | quanty | туре | | Nosidae | | - Grant No | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | , |
| 401 | Alternate Facility (as Care | net . | | | Manifest Reference | e Number: | HO EDATE | Manufact | | | |
| 18b. | Alternate Facility (or General | M) | | | | | U.S. EPA ID | symmoti. | | | |
| Fari | lity's Phone: | | | | | | I | | | | |
| 18c. | Signature of Alternate Facility | (or Generator) | | | | | | | Mo | nth Da | y Year |
| 18c. | | | | | | | | | | | |
| 19. i | Hazardous Waste Report Man | agement Method Codes (i.e., c | odes for hazardous waste tre | eatment, disposal, | and recycling systems) | | | | | | |
| 1. | HILII | 2. | 11111 | 3. | | | 4. | | | | |
| - | 1 1 () | <u> </u> | 4141 | | | 10 | | | | | |
| | Designated Facility Owner or the difference of t | Operator: Certification of receip | t of hazardous materials cover | ered by the manife | est except as noted in Ite | m 18a | - | | Mor | oth Day | 6 Year |
| | DS. | M1000 11- | 110 | | Me | h al | +A | 20 | 1 | 1110 | 12 |
| A For | m 8700-22 (Rev. 12-17) F | revious editions are obsole | ete. | | DES | IGNATE | D FACILITY | TO FPA | 's e-MAN | IFEST | SYSTE |
| 0/0 | 111 -2 (1111) ve (5)(6) | To a second | 2000 | | - Land | Joint Late | - I I william | | a district | | |

AND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM FOR NEW YORK STATE REGULATED PCB WASTES

this form is required for wastes containing 50 ppm PCBs or greater. The profiled waste on the manifest number indicated below is listed hazardous waste (B-Coded) in NY State. Note: 50-499 ppm PCB drained articles and small capacitors (as defined in 40CFR 761,3) are not regulated by NY State. Please complete items 1-9 and send with ALL shipments of waste.

| 1) | Generator Name: Niagara Mohawk Power Corp (d.b.a., National Grid) | | | | | | |
|----|--|--------------------------|-------------|--|--|--|--|
| 2) | Generator Location Name: SIR Site - 144 Kensington Ave., Buffalo, NY 14214 | | | | | | |
| 3) | Manifest No.: 021523143JJK | 4) Profile/Approval No.: | 186029-PCB2 | | | | |

5) Please check all boxes that apply.

| NYS WASTE CODE | CHECK PROPER BOVEC | | | | | | | | |
|---------------------------------|---------------------------|-------------------------------------|----------|---------------------|-----------------|------|--------------------------|--|--|
| B001 | B001 Concentrated PCB Oil | | | | | | | | |
| B002 Oil/liquid 50-499 ppm PCBs | | | | | | | | | |
| B003 | Oil/li | Oil/liquid 500 ppm or greater PCBs | | | | | | | |
| | | Manufac | tured l | PCB Articles (50-49 | 9 ppm): | | | | |
| SHARRING SOLDER DESIGNATION | | Transformers | T | Motors | Switches | | Cable | | |
| B004 | | Pipe | | Lg. Capacitors | Bushings | | Pumps | | |
| | | Other (specify): | | | | | | | |
| TO SERVICE OF THE W | Manu | factured PCB Arti | cles (ot | her than transform | ers) 500 ppm or | grea | ter: | | |
| | | Motors | | Switches | Cable | | Pumps | | |
| B005 | | Lg. Capacitors | | Bushings | Pipe | | | | |
| | Other (specify): | | | | | | | | |
| B006 | | PCB Transformers 500 ppm or greater | | | | | | | |
| | | | Oth | er PCB Wastes: | | | | | |
| | X | Soil | | Sludge | Clothing | | Rags | | |
| B007 | | Wood | X | PPE | Coal Tar | X | Other (Specify): Plastic | | |

6.) Check one box as appropriate:

CERTIFICATION - WASTE MEETS LAND DISPOSAL TREATMENT STANDARDS

I am the generator of the waste as identified above, that is restricted under 6 NYCRR Part 376. I have determined that this waste meets all applicable treatment standards set forth in 6 NYCRR 376 and, therefore, it can be landfilled without further treatment. Waste does not include solidified B002 material (liquid with PCBs 50-500 ppm).

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 6 NYCRR Part 376, Section 376.4, and all applicable prohibitions set forth in 376.3(b) of Part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

NOTIFICATION - WASTE DOES NOT MEET LAND DISPOSAL TREATMENT STANDARDS

I am the generator of a waste restricted under 6 NYCRR Part 376 as identified above. I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment Standards specified in 6 NYCRR Part 376.4(f). This waste must be treated to the applicable standards set forth in 6 NYCRR 376.4(f) prior to land disposal.

| 7.) | Signature: |
|-----|------------|
| / | Paner |

8.) Title:

105

hug Benett

9.) Date:

1-17-23

ND DISPOSAL RESTRICTION NOTIFICATION SO CERTIFICATION FORM OR NEW YORK STATE REGULATED PCB WASTES

rm is required for wastes containing 50 ppm PCBs or greater. The profiled waste on the manifest number indicated below a hazardous waste (B-Coded) in NY State. Note: 50-499 ppm PCB drained articles and small capacitors (as defined in 40CFR 761.3) are not regulated y State. Please complete items 1-9 and send with ALL shipments of waste.

| 1) | Generator Name: Niagara Mohawk Pow | er Corp (d.b.a., National Gr | tional Grid) | | | |
|----|---|------------------------------|--------------|--|--|--|
| 2) | Generator Location Name: SIR Site - 144 K | ensington Ave., Buffalo, NY | 14214 | | | |
| 3) | Manifest No.: 021523143JJK | 4) Profile/Approval No.: | 186031-TWI22 | | | |

5) Please check all boxes that apply.

| NYS WASTE CODE | | IDENTIFY SPECIFIC TYPE OF PCB WASTE CHECK PROPER BOXES | | | | | | | |
|---------------------------|---------------|--|--------------------------|--------------------|------------------|--|--|--|--|
| B001 Concentrated PCB Oil | | | | | | | | | |
| B002 | | | | | | | | | |
| B003 | X | X Oil/liquid 500 ppm or greater PCBs | | | | | | | |
| | | Manufactured PCB Articles (50-499 ppm): | | | | | | | |
| B004 | | Transformers | Motors | Switches | Cable | | | | |
| | | Pipe | Lg. Capacitors | Bushings | Pumps | | | | |
| | | Other (specify): | | | | | | | |
| | | Manufactured PCB Articl | es (other than transforn | ners) 500 ppm or g | reater: | | | | |
| Total (1997) | | Motors | Switches | Cable | Pumps | | | | |
| B005 | 5 | Lg. Capacitors | Bushings | Pipe | | | | | |
| | | Other (specify): | | | | | | | |
| B006 | | PCB Transformers 500 ppm or greater | | | | | | | |
| 7-3-10-18-18 | | | Other PCB Wastes: | | | | | | |
| Parity Providence | Spanner State | Soil | Sludge | Clothing | Rags | | | | |
| B 007 | | Wood | PPE | Coal Tar | Other (Specify): | | | | |

6.) Check one box as appropriate:

CERTIFICATION - WASTE MEETS LAND DISPOSAL TREATMENT STANDARDS

I am the generator of the waste as identified above, that is restricted under 6 NYCRR Part 376. I have determined that this waste meets all applicable treatment standards set forth in 6 NYCRR 376 and, therefore, it can be landfilled without further treatment. Waste does not include solidified B002 material (liquid with PCBs 50-500 ppm).

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 6 NYCRR Part 376, Section 376.4, and all applicable prohibitions set forth in 376.3(b) of Part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

NOTIFICATION - WASTE DOES NOT MEET LAND DISPOSAL TREATMENT STANDARDS

X I am the generator of a waste restricted under 6 NYCRR Part 376 as identified above. I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment Standards specified in 6 NYCRR Part 376.4(f). This waste must be treated to the applicable standards set forth in 6 NYCRR 376.4(f) prior to land disposal.

7.) Signature:

on Bhat Generator, Joshua Barnett 9.) Date:

1-17-33

8.) Title:

NIAGARA MOHAWK POWER CORPORATION PCB WASTE CONTINUATION SHEET

FACILITY ADDRESS: SIR Site - 144 Kensington Ave., Buffalo, NY 14214 NYD 000 073 390 EPA IDENTIFICATION NO. 186029-PCB2 & 186031-TWI22 APPROVAL / PROFILE NO. PAGE SIGNATURE DATE: -SIGNATURE OF GENERATOR:

| UNIT TYPE | MATERIAL TYPE | TSGA DESCRIPTION | GENERATOR UNIQUE ID No. OR SERIAL No. | MANIFEST LINE No. | QUANTITY | UNITS | PCB Conc. RANGE (ppm) | DOCK WEIGHT (KG) | OUT OF SERVICE DATE | DATE OFFSUTE FOR STORAGE DISPOSAL |
|--------------|---------------|---|--|---|---|---|--|--|---------------------------|---|
| DM | PCB Solid | PCB | 3143 - 1 | 9b,1 | 1 | K | >500 | 151 | 12/19/22 | 41715 |
| DM | PCB Solid | RB | 11211 | 96.1 | 1 | K | 7500 | 254 | 12/19/22 | 1/17/33 |
| DM | PCB Liquid | PCB | 2 2 | 96.2 | 1 | K | >500 | | 12/19/22 | 1/17/33 |
| | | | | | | | | | | //// |
| | | | | | | | | | | |
| | , | | | | | | | | | |
| | | | The state of the s | | | | 4 | | | 444 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | į. | | 1189 | | - | |
| | | | | | | | | | | |
| | | | | | - | | | | | |
| | | | | | | | | | | |
| - | | | | | | | | | | |
| | DM DM | DM PCB Solid DM PCB Solid DM PCB Liquid | DM PCB Solid DM PCB Solid DM PCB Liquid DM PCB Liquid | DM PCB Solid DM PCB Liquid TYPE TYPE DESCRIPTION UNIQUE ID No. OR SERIAL NO. DM PCB Solid DM PCB Solid CONTAINER 3143 - 1 96.1 DM PCB Liquid CONTAINER 3143 - 3 96.2 | TYPE TYPE DESCRIPTION UNIQUE TO No. OR SERIAL NO. DM PCB Solid CONTAINER 3143 - 1 9b.1 1 DM PCB Liquid CONTAINER 3143 - 2 9b.1 1 DM PCB Liquid CONTAINER 3143 - 3 9b.2 1 | TYPE TYPE DESCRIPTION UNIQUE TO No. OR SERIAL NO. NO. QUANTITY UNITS DM PCB Solid CONTAINER 3143 - i 9bl 1 K PCB Solid CONTAINER 3143 - 2 9b.1 1 K DM PCB Liquid CONTAINER 3143 - 3 9b.2 1 K ONTAINER 3143 - 3 9b.2 1 K | DM PCB Solid DESCRIPTION SERIAL No. No. QUANTITY UNITS RANCE (ppm) | Type | DM PCB Solid CONTAINER 3 43 - 1 9 61 1 K > 500 151 12 19 22 |

2114106



BAF230

Form Approved. OMB No. 2050-0039 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number 1. Generator ID Number **UNIFORM HAZARDOUS** 022662738 **JJK WASTE MANIFEST** (800) 424-9300 NYD 000 730 390 5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) Magara Mohawk Power Corporation 300 Erie Blvd. West, Syracuse, NY 13202 SIR Site - 93 Dewey Ave., Buffalo, NY 14214 (315) 247-6490 Att: Stave Stucker U.S. EPA ID Number 6. Transporter 1 Company Name Sun Environmental Corporation NYR 000 176 958 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number Cycle Chem, inc. 550 Industrial Dr., Lewisberry, PA 17339 PAD 067 098 822 717-938-4700 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number. 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity Wt./Vol No. Type RQ, UN3432, Polychlorinated Biphenyls, Solid, 9, PG III X **B007** L GENERATOR DM (PCB Solids - 500 ppm) RO, UN2315, Polychlorinated Biphenyls, Liquid, 9, PG III B003 B DM (PCB Liquid > 500 ppm) 14. Special Handling Instructions and Additional Information (2017) 2121 - 2738-1, 2738-2, 2738-3, 3738-3, 273 2: App/Profile: 186031-TWI22 (TSCA water over 500 ppm) ERG171 "Out of service date: " EMERGENCY RESPONSE INFORMATION: CHEMTREC (800) 424-9300 HAZ-3643 Generator # 33698 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 Senerator's/Offeror's Printed/Typed Name 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 William L 28 Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Quantity Type Partial Rejection Residue Full Rejection Manifest Reference Number: FACILITY 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Day Year Month 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 4 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 EPA Form 8700-22 (Rev. 1217) Previous editions are obsolete.

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM FOR NEW YORK STATE REGULATED PCB WASTES

This form is required for wastes containing 50 ppm PCBs or greater. The profiled waste on the manifest number indicated below is listed hazardous waste (B-Coded) in NY State. Note: 50-499 ppm PCB drained articles and small capacitors (as defined in 40CFR 761.3) are not regulated by NY State. Please complete items 1-9 and send with ALL shipments of waste.

| | 1) Generator Name: Niagara Mohawk Power Corp (d.b.a., National Grid) | | | | | | |
|-----|--|---|--------------------------|-------------|--|--|--|
| (F) | 2) | Generator Location Name: SIR Site 93 Dewey Ave., Buffalo NY 14214 | | | | | |
| | 3) | Manifest No.: 022662738 JJK | 4) Profile/Approval No.: | 186029-PCB2 | | | |

5) Please check all boxes that apply.

| NYS WASTE CODE | IDENTIFY SPECIFIC TYPE OF PCB WASTE CHECK PROPER BOXES | | | | | | | | | | |
|----------------|--|------------------------------------|----------|---------------------|----------------|--------|-----------------------------|--|--|--|--|
| B001 | Con | Concentrated PCB Oil | | | | | | | | | |
| B002 | Oil/ | liquid 50-499 ppm P | CBs | | | | | | | | |
| B003 | Oil/ | Oil/liquid 500 ppm or greater PCBs | | | | | | | | | |
| | | Manufa | ctured | PCB Articles (50-4) | 99 ppm): | | | | | | |
| | | Transformers | | Motors | Switches | | Cable | | | | |
| B004 | | Pipe | | Lg. Capacitors | Bushings | | Pumps | | | | |
| | | Other (specify): | | | | | | | | | |
| | Man | ufactured PCB Art | icles (o | ther than transform | ers) 500 ppm o | r grea | ter: | | | | |
| | | Motors | | Switches | Cable | | Pumps | | | | |
| B005 | | Lg. Capacitors | | Bushings | Pipe | | | | | | |
| | | Other (specify): | | | | | | | | | |
| B006 | | PCB Transformers | 500 pp | m or greater | | | | | | | |
| | | | Ott | her PCB Wastes: | | | | | | | |
| 7007 | X | Soil | | Sludge | Clothing | | Rags | | | | |
| B007 | | Wood | X | PPE | Coal Tar | X | Other (Specify): plastic | | | | |

6.) Check one box as appropriate:

CERTIFICATION - WASTE MEETS LAND DISPOSAL TREATMENT STANDARDS

I am the generator of the waste as identified above, that is restricted under 6 NYCRR Part 376. I have determined that this waste meets all applicable treatment standards set forth in 6 NYCRR 376 and, therefore, it can be landfilled without further treatment. Waste does not include solidified B002 material (liquid with PCBs 50-500 ppm).

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 6 NYCRR Part 376, Section 376.4, and all applicable prohibitions set forth in 376.3(b) of Part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

NOTIFICATION - WASTE <u>DOES NOT</u> MEET LAND DISPOSAL TREATMENT STANDARDS

| X | I am the generator of a waste restricted under 6 NYCRR Part 376 as identified above. I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment Standards specified in 6 NYCRR Part 376.4(f). This waste must be treated to the applicable standards set forth in 6 NYCRR 376.4(f) prior to land disposal. |
|---|---|
| | |

| 7.) | Signature: |
|-----|------------|
|-----|------------|

8.) Title:

| A 1 | 0 | 1. | |
|-------|------|------|--|
| Agent | 1775 | NIME | |
| 7 | 1 - | | |

9.) Date:

3/28/2022

LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM FOR NEW YORK STATE REGULATED PCB WASTES

This for m is required for wastes containing 50 ppm PCBs or greater. The profiled waste on the manifest number indicated helow is listed hazardous waste (B-Coded) in NY State. Note: 50-499 ppm PCB drained articles and smull capacitors (as defined in 40CFR 761.3) are not regulated by NY State. Please complete items 1-9 and send with ALL shipments of waste.

| | 1) Generator Name: Niagara Mohawk Power Corp (d.b.a., National Grid) | | | | | | |
|----|--|--|----------------------------|--------------|--|--|--|
| 10 | 2) | Generator Location Name: SIR Site 93 Det | wey Ave., Buffalo NY 14214 | | | | |
| | 3) | Manifest No.: 022662738 JJK | 4) Profile/Approval No.: | 186031-TWI22 | | | |

5) Please check all boxes that apply.

| NYS WASTE CODE | | IDENTIFY SPECIFIC TYPE OF PCB WASTE CHECK PROPER BOXES | | | | | | | | | |
|-------------------|---|---|--------------------------|-------------------|------------------|--|--|--|--|--|--|
| B001 | | Concentrated PCB Oil | | | | | | | | | |
| B002 | | Oil/liquid 50-499 ppm PCI | 3s | | | | | | | | |
| B003 | X | Oil/liquid 500 ppm or great | ter PCBs | | | | | | | | |
| | | Manufact | ured PCB Articles (50-4) | 99 ppm): | | | | | | | |
| | | Transformers | Motors | Switches | Cable | | | | | | |
| B00- | 4 | Pipe | Lg. Capacitors | Bushings | Pumps | | | | | | |
| | | Other (specify): | | | | | | | | | |
| | | Manufactured PCB Articl | es (other than trausform | ers) 500 ppm or g | greater: | | | | | | |
| | | Motors | Switches | Cable | Pumps | | | | | | |
| B00 | 5 | Lg. Capacitors | Bushings | Pipe | 142 | | | | | | |
| | | Other (specify): | Other (specify): | | | | | | | | |
| B00 | 6 | PCB Transformers 50 | 00 ppm or greater | | | | | | | | |
| | | | Other PCB Wastes: | | | | | | | | |
| B007 | | Soil | Sludge | Clothing | Rags | | | | | | |
| | | Wood | PPE | Coal Tar | Other (Specify): | | | | | | |

6.) Check one box as appropriate:

CERTIFICATION - WASTE MEETS LAND DISPOSAL TREATMENT STANDARDS

I am the generator of the waste as identified above, that is restricted under 6 NYCRR Part 376. I have determined that this waste meets all applicable treatment standards set forth in 6 NYCRR 376 and, therefore, it can be landfilled without further treatment. Waste does not include solidified B002 material (liquid with PCBs 50-500 ppm).

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 6 NYCRR Part 376, Section 376.4, and all applicable prohibitions set forth in 376.3(b) of Part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

NOTIFICATION - WASTE DOES NOT MEET LAND DISPOSAL TREATMENT STANDARDS

| | I am the generator of a waste restricted under 6 NYCRR Part 376 as identified above. I notify that I personally have examined and am familian |
|---|--|
| X | with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with |
| | the treatment Standards specified in 6 NYCRR Part 376.4(f). This waste must be treated to the applicable standards set forth in 6 NYCRR |
| | 376.4(f) prior to land disposal. |
| | |

| 7.) | Signature: | Sys | | |
|-----|------------|----------------|-----------|----------|
| 8.) | Title: | Agent for NIMO | 9.) Date: | 3/28/202 |

Appendix F

Data Usability Summary Reports



National Grid Dewey Avenue

Data Review Report

Buffalo, New York

Polychlorinated Biphenlys (PCBs) Analyses

SDG # J194868

Analyses Performed By:

SGS Laboratories, Inc. Dayton, New Jersey

Report #48971R Review Level: Tier II Project: 30094342 Task 04

Summary

This Data Review Report summarizes the review of Sample Delivery Group (SDG) # J194868 for samples collected in association with the National Grid Dewey/Kensington Avenue site in Buffalo, New York. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

| Samula ID Lab ID | | B. B. and and the | Sample | | | | | | | | |
|------------------|---------------|-------------------|--------------------|----------------|-----|------|-----|------|-----|------|--|
| Sample ID | Lab ID | Matrix | Collection Date | Parent Sample | voc | svoc | РСВ | PEST | MET | MISC | |
| B-23 (0.8-1.3) | 480-194868-1 | Solid | 2/08/22 | | | | Х | | | | |
| B-23 (5.3-7.3) | 480-194868-4 | Solid | 2/08/22 | | | | Х | | | | |
| B-20 (1.9-2.4) | 480-194868-7 | Solid | 2/08/22 | | | | Х | | | | |
| B-20 (4.4-6.4) | 480-194868-9 | Solid | 2/08/22 | | | | Х | | | | |
| B-15 (1.0-1.5) | 480-194868-12 | Solid | 2/08/22 | | | | Х | | | | |
| B-15 (5.5-7.5) | 480-194868-15 | Solid | 2/08/22 | | | | Х | | | | |
| B-10 (1.1-1.6) | 480-194868-17 | Solid | 2/08/22 | | | | Х | | | | |
| B-10 (3.6-5.6) | 480-194868-19 | Solid | 2/08/22 | | | | Х | | | | |
| FD-02082022 | 480-194868-21 | Solid | 2/08/22 | B-10 (1.1-1.6) | | | Х | | | | |
| B-5 (0.7-1.2) | 480-194868-22 | Solid | 2/08/22 | | | | Х | | | | |
| B-5 (3.2-5.2) | 480-194868-24 | Solid | 2/08/22 | | | | Х | | | | |
| B-18 (1.2-1.7) | 480-194868-26 | Solid | 2/08/22 | | | | Х | | | | |
| B-18 (1.7-3.7) | 480-194868-27 | Solid | 2/09/22 | | | | Х | | | | |
| B-18 (3.7-5.7) | 480-194868-28 | Solid | 2/09/22 | | | | Х | | | | |
| B-19 (1.3-1.8) | 480-194868-31 | Solid | 2/09/22 | | | | Х | | | | |
| B-19 (3.8-5.8) | 480-194868-33 | Solid | 2/09/22 | | | | Х | | | | |

Note: This data review only included PCB analysis

Analytical Data Package Documentation

The table below evaluates the data package completeness.

| Items Reviewed | Rep | orted | | mance otable | Not Required |
|---|-----|-------|----|-----------------|-----------------|
| | No | Yes | No | Yes | Required |
| Sample receipt condition | | X | | Х | |
| 2. Requested analyses and sample results | | Х | | Х | |
| Master tracking list | | Х | | Х | |
| 4. Methods of analysis | | Х | | Х | |
| 5. Reporting limits | | Х | | Х | |
| 6. Sample collection date | | Х | | Х | |
| 7. Laboratory sample received date | | Х | | Х | |
| 8. Sample preservation verification (as applicable) | | Х | | Х | |
| 9. Sample preparation/extraction/analysis dates | | Х | | Х | |
| 10. Fully executed chain-of-custody form | | Х | | Х | |
| 11. Narrative summary of QA or sample problems provided | | Х | | Х | |
| 12. Data package completeness and compliance | | X | | Х | |

Note:

QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8082A. Data were reviewed in accordance with USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review, EPA-540-R-20-005 (November 2020), and the USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review, EPA540/R-99/008, October 1999 (as applicable).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound is considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

Data Review Report

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Polychlorinated Biphenyls (PCBs) Analysis

1. Holding Times

The specified holding times for the following methods are presented in the table below.

| Method | Matrix | Holding Time | Preservation |
|-------------|--------|--------------------------------------|---------------|
| SW-846 8082 | Water | One year from collection to analysis | Cool to <6 °C |

Note:

s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for Aroclor 1016 and 1260 only. Single-point calibrations were performed for the remaining Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All Aroclors associated with calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that one of the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

Sample locations associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

| Sample Locations | Surrogate | Recovery |
|-------------------------------|----------------------|----------|
| B-10 (1.1-1.6) FD-02082022 | Tetrachloro-m-xylene | D |
| B-5 (0.7-1.2) | Decachlorobiphenyl | D |

Notes:

D = dilution

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results are qualified as documented in the table below.

| Control Limit | Sample Result | Qualification |
|---|------------------|-------------------|
| the upper central limit (LIII.) | Non-detect | No Action |
| > the upper control limit (UL) | Detect | J |
| sthe lower central limit (LL) but s 400/ | Non-detect | UJ |
| < the lower control limit (LL) but > 10% | Detect | J |
| .400/ | Non-detect | R |
| < 10% | Detect | J |
| One accordance to the history was accordanced the accordance limite but. 400/ | Non-detect | No Action |
| One surrogate exhibiting recovery outside the control limits but > 10% | Detect | No Action |
| Surrogates diluted below the calibration curve due to the high concentration | Non-detect | 111/11 |
| of a target compound. | Detect | UJ/J ¹ |

Note:

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

A more concentrated analysis was not performed with surrogate compounds within the calibration range; therefore, no determination of extraction efficiency could be made.

The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

| Sample Locations | Compound | MS Recovery | MSD Recovery |
|------------------|----------|----------------|-----------------|
| B-5 (0.7-1.2) | PCB-1016 | >UL | >UL |

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

| Control Limit | Sample Result | Qualification |
|--|---------------|---------------|
| > the upper central limit (III.) | Non-detect | No Action |
| > the upper control limit (UL) | Detect | J |
| the lower control limit / L) but a 400/ | Non-detect | UJ |
| < the lower control limit (LL) but > 10% | Detect | J |
| < 10% | Non-detect | R |
| < 10% | Detect | J |
| Parent sample concentration > four times the MS/MSD spiking solution | Detect | No Action |
| concentration (D). | Non-detect | No Action |

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field

duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil.

Results for duplicate samples are summarized in the following table.

| Sample ID/ Duplicate ID | Compound | Sample Result | Duplicate Result | RPD (%) |
|---------------------------------|----------|------------------|---------------------|---------|
| B-10 (1.1-1.6) / FD-02082022 | PCB-1242 | 110 | 110 | 0.0 |

Note:

% = percent

The calculated RPDs between the parent sample and field duplicate were acceptable.

9. Compound Identification

Compounds are identified on the GC by using the analytes relative retention time.

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the percent difference (%D) of detected sample results must be less than 25%.

Sample locations associated with %D analysis exhibiting recoveries outside of the control limits presented in the following table.

| Sample Locations | Compound | %D |
|------------------|----------|------|
| B-20 (4.4-6.4) | PCB-1242 | 33.6 |
| B-10 (3.6-5.6) | PCB-1242 | 34.0 |

The criteria used to evaluate the %D are presented in the following table. In the case of a %D deviation, the sample results are qualified as documented in the table below.

| Control Limit (%D) | Qualification |
|--|---------------|
| >25% to 70% | J |
| >70% to 100% | JN |
| >100% 1 | R |
| >100% to 200% (Interference detected) ² | J or JN |
| >50% (pesticide) sample results less than the RL) | U |

When the PCB sample results are less than the RL and the RPD greater than 50% the sample result are raised to the RL and reported as non-detect.

Note 1: If the pattern is confirmed sample results will be qualified as estimated (J). If pattern exhibits interference or if the PCB cannot be positively determined due to weathering the sample results will be qualified as tentative identification estimate (JN).

Note 2: If interference is detected in either column the sample results will be qualified as tentative identification estimate (JN).

Note:

• The following samples appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: B-15 (1.0-1.5) (480-194868-12) and B-19 (1.3-1.8) (480-194868-31). The sample(s) has been quantified and reported as Aroclor PCB-1248. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.

The detected sample results associated with sample locations B-4 (3.5-5.5) (480-194980-10) and B-3 (1-.4-1.9) (480-194980-5), were qualified as estimate (J).

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Organochlorine PCBs

| PCBs; SW-846 8082 | Rep | orted | Perfo Acce | Not Required | |
|---|-----|-------|---------------|-----------------|------------|
| | No | Yes | No | Yes | - Required |
| GAS CHROMATOGRAPHY (GC/ECD) | | | | | • |
| Tier II Validation | | | | | |
| Holding times | | Х | | Х | |
| Reporting limits (units) | | Х | | Х | |
| Blanks | | | | 1 | |
| A. Method blanks | | Х | | X | |
| B. Equipment blanks | Х | | | | X |
| Laboratory Control Sample (LCS) %R | | Х | | Х | |
| Laboratory Control Sample Duplicate (LCSD) %R | Х | | | | X |
| LCS/LCSD Precision (RPD) | Х | | | | X |
| Matrix Spike (MS) %R | | Х | Х | | |
| Matrix Spike Duplicate (MSD) %R | | Х | Х | | |
| MS/MSD Precision (RPD) | | Х | | Х | |
| Field/Lab Duplicate (RPD) | | Х | | Х | |
| Surrogate Spike Recoveries | | Х | Х | | |
| Column (RPD) | | Х | Х | | |
| Dilution Factor | | Х | | Х | |
| Moisture Content | Х | | | | Х |
| Tier III Validation | | | | 1 | |
| Initial calibration %RSDs | | Х | | Х | |
| Continuing calibration %Ds | | Х | | Х | |
| System performance and column resolution | | Х | | Х | |
| Compound identification and quantitation | | | | | |
| A. Quantitation Reports | | Х | | Х | |
| B. RT of sample compounds within the established RT windows | | Х | | Х | |
| C. Pattern identification | | Х | | Х | |
| D. Transcription/calculation errors present | | Х | | Х | |
| Reporting limits adjusted to reflect sample dilutions %RSD – relative standard deviation, %R - percent references. | | Х | | Х | |

Data Review Report

| PCBs; SW-846 8082 | Repo | orted | Performance Acceptable | | Not Required |
|-------------------|------|-------|---------------------------|-----|-----------------|
| | No | Yes | No | Yes | rtequired |

GAS CHROMATOGRAPHY (GC/ECD)

%D – difference

SAMPLE COMPLIANCE REPORT

DATA USABILITY SUMMARY REPORT

SAMPLE COMPLIANCE REPORT

| Sample | Samplin Compliancy ¹ | | | | | Namaaaallaa | | | | |
|-------------------------|---------------------------------|----------|----------------|--------|-----|-------------|-----|-----|------|--|
| Delivery Group (SDG) | g Date | Protocol | Sample ID | Matrix | voc | svoc | РСВ | MET | MISC | - Noncompliance |
| | 2/08/22 | SW-846 | B-23 (0.8-1.3) | Solids | | | No | | | |
| | 2/08/22 | SW-846 | B-23 (5.3-7.3) | Solids | | | No | | | |
| | 2/08/22 | SW-846 | B-20 (1.9-2.4) | Solids | | | No | | | |
| | 2/08/22 | SW-846 | B-20 (4.4-6.4) | Solids | | | Yes | | | PCB – Column percent difference |
| | 2/08/22 | SW-846 | B-15 (1.0-1.5) | Solids | | | Yes | | | PCB – increased qualitative and quantitative uncertainty |
| | 2/08/22 | SW-846 | B-15 (5.5-7.5) | Solids | | | No | | | |
| | 2/08/22 | SW-846 | B-10 (1.1-1.6) | Solids | | | Yes | | | PCB – surrogates diluted outside calibration range |
| | 2/08/22 | SW-846 | B-10 (3.6-5.6) | Solids | | | Yes | | | PCB – Column percent difference |
| 480-194868-1 | 2/08/22 | SW-846 | FD-02082022 | Solids | | | Yes | | | PCB – surrogates diluted outside calibration range |
| | 2/08/22 | SW-846 | B-5 (0.7-1.2) | Solids | | | Yes | | | PCB – surrogates diluted outside calibration range, Matrix spike/matrix spike duplicate percent recoveries |
| | 2/08/22 | SW-846 | B-5 (3.2-5.2) | Solids | | | No | | | |
| | 2/08/22 | SW-846 | B-18 (1.2-1.7) | Solids | | | No | | | |
| | 2/09/22 | SW-846 | B-18 (1.7-3.7) | Solids | | | No | | | |
| | 2/09/22 | SW-846 | B-18 (3.7-5.7) | Solids | | | No | | | |
| | 2/09/22 | SW-846 | B-19 (1.3-1.8) | Solids | | | Yes | | | PCB – increased qualitative and quantitative uncertainty |
| | 2/09/22 | SW-846 | B-19 (3.8-5.8) | Solids | | | No | | | |

Note:

DATA USABILITY SUMMARY REPORT

| 1 | Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable. |
|---|--|
| | |
| | |
| | |

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Todd Church

SIGNATURE:

DATE: March 16, 2023

PEER REVIEW: Dennis Capria

DATE: March 23, 2023

| Chain of Custody | Corrected Samp | ole Analysis Data | Sheets |
|------------------|----------------|-------------------|--------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

eurofins Environment Testing America

Chain of Custody Record

Eurofins Buffalo10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

| Client Information | Joshuc | 2 | 3 | Schov | Schove, John R | | | V CO C C C C C C C C C C C C C C C C C C | 170470-37024 1 |
|--|-----------------------------|-----------|----------------------------|---|----------------------------|---------------------------------------|--|---|---|
| Cilent Conact Mr. Michael Jones | Phone: | 156-111 | , 4 | E-Mail: | | | State of Origin | gin: | |
| Company: ARCADIS U.S. Inc | | V | PWSID: | 2 | on over | Schove@Euroimset.com | | #225 Page 1 of | 110f 的 力 |
| Address: | Due Date Requested: | ed: | | | | Ana | Analysis Requested | | |
| One Lincoln Center 110 West Fayette St, Suite 300 | | | | |) }_ | | | Prese | Preservation Codes: |
| Syracuse | TAT Requested (days | ays): | | | | | | B - Nai | A · HCL M · Hexane B · NaOH N · None |
| State, Zip: NY, 13202 | Compliance Protect: A Vec A | ANDAR | C | | | 21 | | C - Zn | Acetate O - AsNaO2 tric Acid P - Na2O4S |
| Phone: | PO #: | 7 EB1 7 | 0 | T | | to tel | | | = |
| 513-57 1-92 1 (Tet) Email: | Purchase Order R | Requested | | | | ouk p | | | |
| michael.jones@arcadis.com | | | | 410 | ~36.00 ac | Y wa | | | |
| Project Name: National Grid - Dewey Avenue Site | Project #: 48024791 | | | 30,7 | MESSIGNATION, | M brsi | | 480-194868 Chain of Clistody | |
| Siles Network Cond Deword Augus Buttels, Ny | 1 | | | | Mas | | | | , and the same of |
| | | Sample | Sample Type (C=comp, | Matrix (W-water, S=solid, O=waste/oli, | MiSM mion xoid 4,1 - do | SA-4 - AGI_C | | al Mumber o | |
| Sample identrification | Sample Date | Time | 7 | - | 9d> | | | sioT | Special Instructions/Note: |
| 3-23 (6.8.1.2) | 2/0/2020 | 2000 | C C | Solid | Z | z > | | X | |
| 2 7 | 77071217 | 20 6 | / (| | | × | | | Analyze |
| 20 (22 5 | 1 | 0,110 | ر ا ر | Dillos | | × | | 1 | * (40rD * |
| 5-5.5 | | 1110 | J | Solid | | × | | * | * 150 x |
| .23 (5.3 | | 1111 | 0 | Solid | | メ | | | A.N. 1.220 |
| 4 | | 1120 | U | Solid | | X | | | ` |
| (5-23 (5.3-11.3) | | 1211 | C | Solid | | . ~ | | K | (Tor) |
| B-20 (1,9-2,4) | | 0950 | C | Solid | | × | | | |
| -20 | | 5560 | V | Solid | | ~ | | 7 | المالحس وو |
| B-20 (4.4-6.4) | | 1250 | J | Solid | × | \ \times \ | | < | * _ |
| B-20 (6.4-8.4) | | 1251 | U | Solid | | > | | 1 | 12000 44 |
| B-20 (8.4-9.0) | A | 1300 | J | Solid | | 4 > | | * | HO(-) * |
| Possible Hazard Identification | | | | | Sample | Disposal (A fe | e may be assessed | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | 1 longer than 1 month) |
| sted I II IV Other (specify) | Foison B Unknown | | Radiological | |] | Return To Client | Disposal By Lab | y Lab Archive For | Months |
| | 19 | | | | Special | Special Instructions/QC Requirements: | Requirements: | | |
| Empty Kit Kelinquished by: | | Date: | | | Time: | | Metho | Method of Shipment: | |
| A Committee by Williams | Date/Time: 2/5/22 | 1,502 | | Company | Rece | Received by: | | Date/Time: | Company |
| Neiniquisieu by. | Date/Time: | | 0 | Company | Rece | Received by: | | Date/Time: | Company |
| | Date/Time: | | 0 | Company | Rece | Received by: | 1 | Dat Timic | Company Co |
| Custody Seals Intact: Custody Seal No.: △ Yes △ No | | | | | Cool | ar Temperature(s) °C | Cooler Temperature(s) °C and Other Remarks | 0 | 10 |
| | | | | | | | | | er. 06/08/2021 |

eurofins | Environment Testing

Chain of Custody Record

Phone: 716-691-2600 Fax: 716-691-7991

Amherst, NY 14228-2298

10 Hazelwood Drive

Eurofins Buffalo

N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2SO3
S - H2SO4
T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) Special Instructions/Note: Months Sompany Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Analyze * Anchize state Tracking No(s): 480-170470-37024.2 state Organization of an 1.1 Anulyze * 1-toi0 x Analyze *HOIOH* Anchyzo Anchize 4Hold reservation Codes * HOLD CIOTA Page 2 of 🗺 😝 A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
F - ManSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid Š I - Ice J - DI Water K - EDTA L - EDA Archive For Total Number of containers Dat Tim Analysis Requested #225Date/Time: Method of Shipment Disposal By Lab Cooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements: Return To Client E-Mail: John. Schove@Eurofinset.com × X X \prec 8082A - TCL PCBs Received by: Received by: Received by - Standard New York List of 21 Lab PM: Schove, John R (OM to seY) GRANSM amone Field Filtered Sample (Yes or No) Acco (W=water, S=solid, O=waste/oll, Matrix Preservation Code: Solid Company Radiological Type (C=comp, G=grab) Sample PWSID: compliance Project: A Yes A No STANDARD 50 Joshu Nyller Purchase Order Requested Sample 1340 1046 0201 1350 1045 1400 1401 341 100 1021 15) 48/6-1419 Date Unknown TAT Requested (days): Due Date Requested: 2/2/22 Date/Time: 218/202 Sample Date Project #: 48024791 Date/Time Poison B Netroms (200) - Deuxey Avenue Six Skin Irritant One Lincoln Center 110 West Fayette St, Suite 300 Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No 15.5 (3.6-5.6) (5.6-7.0) (7.8-8.3) (1.6-3.6) (1.5.35 03083022 Flammable Project Name: National Grid - Dewey Avenue Site 5.5-7.5 (1.1-1.6) (1.0-1.5 (0.7-1.2) Possible Hazard Identification michael.jones@arcadis.com (3.5 Empty Kit Relinquished by: Client Information Custody Seals Intact:

△ Yes △ No Sample Identification Mr. Michael Jones ARCADIS U.S. Inc 315-671-9211(Tel) Non-Hazard 3-15 13-15 3-10 3-15 13-15 0-10 8-15 8-10 13-10 100 quished by: nquished by State, Zip: NY, 13202 Syracuse

Ver. 06/08/2021

Chain of Custody Record

Phone: 716-691-2600 Fax: 716-691-7991 Amherst, NY 14228-2298

Eurofins Buffalo

10 Hazelwood Drive

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
U - Acetone
W - PH 4-5
Z - other (specify) Special Instructions/Note: Ver. 06/08/202 Months Company Company Analyze Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Analyze *CHOH* Analize * Holl) * Ancinee * HOLL) * *HOLD* *1001 COC No: 480-170470-37024.3 Preservation Codes Page 3 of set 3 Anuli A - HCL
B - NaOH
C - Zn Acetate
C - Nitric Acid
E - NahSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid 1805 I - Ice J - DI Water K - EDTA L - EDA Archive For Total Number of containers SWTacuse State of Origin. Analysis Requested Date/Time: Method of Shipment Disposal By Lab Cooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements: Return To Client E-Mail: John Schove@Eurofinset.com X Received by × 982A - TCL PCBs eceived by Received by Lab PM: Schove, John R SELECTION MISMACD (Yes or No) Field Filtered Sample (Yes or No) BT=TIssue, A=Alr Company Matrix (W=water, S=solid, O=waste/oil, Preservation Code: Solid Company Radiological G=grab) (C=comp, Sample Type ompliance Project: A Yes A No Joshice Mr. He 1×c STANDARD Purchase Order Requested 0930 Ohro (215) 486 -1419 Sample 1330 315 Time 1420 1421 310 1010 1101 0 Unknown Date (AT Requested (days): Due Date Requested: 26/10/2 Sample Date 2/9/22 2/8/22 Project #: 48024791 ate/Time Date/Time Poison B whom (Sin) - Huney HUME STR Skin Irritant One Lincoln Center 110 West Fayette St, Suite 300 Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. B-19 (38-5.8) Possible Hazard Identification 1.8-3.8 Vational Grid - Dewey Avenue Site Flammable 2 5.2-5.7 さてしたら 7.7-9.5 45-41) 1.3-1.8 37-5 (1.2-1.7 michael.jones@arcadis.com Empty Kit Relinquished by Client Information Custody Seals Intact: Sample Identification ∆ Yes △ No ARCADIS U.S. Inc Mr. Michael Jones 315-671-9211(Tel) Non-Hazard B-18 quished by: quished by: Bis 6-5 37-5 B-19 iquished by 8-5 2 18 8-18 B-19 State, Zip: NY, 13202 Syracuse

Chain of Custody Record

Phone: 716-691-2600 Fax: 716-691-7991

Amherst, NY 14228-2298

10 Hazelwood Drive

Eurofins Buffalo

eurofins | Environment Testing

N - None
O - AsNaO2
P - Na2O45
Q - Na2SO3
R - Na2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
W - PH 4-5
Z - other (specify) Special Instructions/Note: Months Company 文 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon COC No: 480-170470-37024.4 Preservation Codes *Hoic Page: * Hole A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
F - NanSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid 00 I - Ice J - DI Water K - EDTA Total Number of containers 17/46 im 122 SWEEUSCHSC Date/Time: Date/Time: State of \$225 Method of Shipment **Analysis Requested** Cooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements: E-Mail: John Schove@Eurofinset.com X 8082A - TCL PCBs Received by: Received by: Received by PFC_IDA - PFAS - Standard New York List of 21 Lab PM: Schove, John R (on to set) DSM/SM miorie Time: Field Filtered Sample (Yes or No) BT=Tissue, AnAir (W=water, S=solid, O=waste/oll, Preservation Code: Matrix Solid Sompany Radiological (C=comp, G=grab) Sample Type Jeshie Miller 315) 486-1419 ompliance Project: A Yes A No STAUDARD Purchase Order Requested 3 Sample Time 1345 1331 Unknown Date: TAT Requested (days): Due Date Requested: 21912 Sample Date Date/Time: スタイスラ Date/Time: Project #: 48024791 Date/Time Poison B (Sid - Newey Horve Sik Skin Irritant One Lincoln Center 110 West Fayette St, Suite 300 Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No M 4.8) σ Project Name: National Grid - Dewey Avenue Site (3.8) michael.jones@arcadis.com Empty Kit Relinquished by: Client Information Custody Seals Intact:

Δ Yes Δ No Sample Identification Mr. Michael Jones ARCADIS U.S. Inc 315-671-9211(Tel) 51-61nquished by: quished by: State, Zip: NY, 13202 Syracuse

Ver: 06/08/2021

Eurofins Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Chain of Custody Record



eurofins

Environment Testing America

| Phone: 716-691-2600 Fax: 716-691-7991 | | | | | | | | | | | | | | | | | | |
|---|-----------------------------------|------------------|----------------|---|----------------|--------------|--|---------------------|----------|-------------|----------|-------------------|----------|------------|-------------|--------------|---|--|
| Client Information (Sub Contract Lab) | Sampler | | | Lab P | | Johr | n R | | | | | Carrier 1 | Tracking | g No(s): | | | COC No: 480-69623.1 | |
| Client Contact: Shipping/Receiving | Phone | | | E-Ma Johr | | hove | @Eu | rofinset | .com | | | State of New Y | | | | | Page 1 of 1 | |
| Company: Eurofins Lancaster Laboratories Env, LLC | | | | | | | | equired (v York | See no | te): | | | | | | | Job# 480-194868-1 | |
| Address. 2425 New Holland Pike, | Due Date Requeste 2/23/2022 | d: | | | | | | | Δn | alysis | Rec | weste | od . | | | _ | Preservation Cod | es: |
| City: Lancaster | TAT Requested (da | ys): | | | 8 | | * | | | | T | | T | П | | | A - HCL B - NaOH | M - Hexane N - None |
| State, Zip PA, 17601 | | | | | 18 | Sen breband | Dan | | | | | | | | | | C - Zn Acetate D - Nitric Acid E - NaHSO4 | O - AsNaO2 P - Na2O4S Q - Na2SO3 |
| 717-656-2300(Tel) | PO #: | | | | | O tan | · otan | | | | | | | | | | F - MeOH G - Amchlor | R - Na2S2O3 S - H2SO4 |
| Email Email | WO# | | | | or No | (o) | DEFAS | | | | | | | | | | H - Ascorbic Acid I - Ice J - DI Water | T - TSP Dodecahydrate U - Acetone V - MCAA |
| Project Name: National Grid - Dewey Avenue Site | Project # 48024791 | | | | e (Yes | es or f | lath_14 | | | | | | | | | containers | K - EDTA L - EDA | W - pH 4-5 Z - other (specify) |
| Site | SSOW# | | | | Samp | ISD (Y | ake. | | | | | | | | | of co | Other: | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air | Field Filtered | Perform MS/W | PFC_IDA_NY/Shake_Bath_14D PFAS - St York List of 21 | | | | | | | | | Total Number | Special In | structions/Note: |
| | _ | <u></u> | Preserva | tion Code: | X | X | | | | 50 | 4.5 | 100 | | | | X | 7.67 | |
| B-20 (4.4-6.4) (480-194868-9) | 2/8/22 | 12:50 Eastern | | Solid | Ц | | X | | Ш | | | | | \perp | | 1 | | |
| B-5 (3.2-5.2) (480-194868-24) | 2/8/22 | 14:20 Eastern | | Solid | Ц | | X | | | | | | | | | 1 | | |
| B-18 (1.7-3.7) (480-194868-27) | 2/9/22 | 09:40 Eastern | | Solid | \mathbb{H} | H | X | - | | | - | | - | | + | 1 | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | Н | | | | | | 1 | | | | | | | |
| | | | | | Н | H | + | + | | | + | \vdash | + | + | + | 100 | | |
| | | | | | Н | | + | | | | | \forall | | \Box | | 100 | | |
| Note: Since laboratory accreditations are subject to change, Eurofins En does not currently maintain accreditation in the State of Origin listed abo status should be brought to Eurofins Environment Testing Northeast, LL | ive for analysis/tests/matrix bei | ng analyzed, t | the samples mu | st be shipped t | back | to the | Eurofi | ns Enviro | nment | Testing N | lorthea: | st, LLC la | borato | ry or othe | r instructi | ions wi | ill be provided. Any c | hanges to accreditation |
| Possible Hazard Identification | | | | | | San | | | | | | | | | s are re | | ed longer than 1 | |
| Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) | Primary Deliver | able Rank: | 4 | | _ | Spe | | turn To | | | | Dispos nts: | al By I | Lab | | Arch | hive For | Months |
| Empty Kit Relinguished by: | | Date: | | | Tir | me. | | | | | | A | Aethod | of Shipme | ent: | | | |
| Relmquished by Illice | Date Time 12 | 2 / | 500 | Company | } | | Receiv | red by: | | | | | | Date/ | Time | | | Company |
| Relinquished by | Date/Time. | | | Company | | | Receiv | red by | | | | | _ | Detc/ | fille: | | | Company |
| Relinquished by | Date/Time | | | Сотрапу | | | Receiv | red by: | | 1 | 7/ | V | | Dalge | 17/12 | 12 | 2 1014 | Cognain |
| Custody Seals Intact: Custody Seal No.: | | | | | | | Cooler | Tempera | ature(s) | °C and (| Other R | emarks: | | 1.9 | | + | | J. T. U |

Definitions/Glossary

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

Qualifiers

GC/MS Semi VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

| Qualifier Description |
|-----------------------|
| (|

F1 MS and/or MSD recovery exceeds control limits.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier Qualifier Description

*5+ Isotope dilution analyte is outside acceptance limits, high biased.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

Glossary

| | Abbreviation | These commonly | y used abbreviations may | y or may | not be | present in this report |
|--|--------------|----------------|--------------------------|----------|--------|------------------------|
|--|--------------|----------------|--------------------------|----------|--------|------------------------|

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

03/01/2022

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-23 (0.8-1.3)

Tetrachloro-m-xylene

Tetrachloro-m-xylene

Tetrachloro-m-xylene

 Date Collected: 02/08/22 09:00
 Matrix: Solid

 Date Received: 02/10/22 15:02
 Percent Solids: 87.3

| Method: 8082A - Polychio | orinated Bipheny | yls (PCBs) | by Gas Chro | matogr | aphy | | | | |
|--------------------------|------------------|------------|-------------|--------|-------|---------|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 1.4 | U | 1.4 | 0.26 | mg/Kg | <u></u> | 02/11/22 10:00 | 02/16/22 19:59 | 5 |
| PCB-1221 | 1.4 | U | 1.4 | 0.26 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 19:59 | 5 |
| PCB-1232 | 1.4 | U | 1.4 | 0.26 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 19:59 | 5 |
| PCB-1242 | 1.4 | U | 1.4 | 0.26 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 19:59 | 5 |
| PCB-1248 | 1.4 | U | 1.4 | 0.26 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 19:59 | 5 |
| PCB-1254 | 1.4 | U | 1.4 | 0.63 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 19:59 | 5 |
| PCB-1260 | 12 | | 1.4 | 0.63 | mg/Kg | ₩ | 02/11/22 10:00 | 02/16/22 19:59 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 102 | | 65 - 174 | | | | 02/11/22 10:00 | 02/16/22 19:59 | 5 |
| DCB Decachlorobiphenyl | 109 | | 65 - 174 | | | | 02/11/22 10:00 | 02/16/22 19:59 | 5 |
| Tetrachloro-m-xylene | 91 | | 60 - 154 | | | | 02/11/22 10:00 | 02/16/22 19:59 | 5 |

Client Sample ID: B-23 (5.3-7.3) Lab Sample ID: 480-194868-4

60 - 154

102

91

100

 Date Collected: 02/08/22 11:11
 Matrix: Solid

 Date Received: 02/10/22 15:02
 Percent Solids: 79.4

| Method: 8082A - Polychic Analyte | | Qualifier | RL | MDL | | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|-----------|-----------|----------|-------|-------|-------------|----------------|----------------|---------|
| PCB-1016 | 0.30 | U | 0.30 | 0.059 | mg/Kg | | 02/11/22 10:00 | 02/13/22 19:01 | 1 |
| PCB-1221 | 0.30 | U | 0.30 | 0.059 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 19:01 | 1 |
| PCB-1232 | 0.30 | U | 0.30 | 0.059 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 19:01 | 1 |
| PCB-1242 | 0.30 | U | 0.30 | 0.059 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 19:01 | 1 |
| PCB-1248 | 0.30 | U | 0.30 | 0.059 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 19:01 | 1 |
| PCB-1254 | 0.30 | U | 0.30 | 0.14 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 19:01 | 1 |
| PCB-1260 | 0.30 | U | 0.30 | 0.14 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 19:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 82 | | 65 - 174 | | | | 02/11/22 10:00 | 02/13/22 19:01 | 1 |
| DCB Decachlorobiphenyl | 92 | | 65 - 174 | | | | 02/11/22 10:00 | 02/13/22 19:01 | 1 |

Client Sample ID: B-20 (1.9-2.4)

Date Collected: 02/08/22 09:50

Lab Sample ID: 480-194868-7

Matrix: Solid

60 - 154

60 - 154

Date Received: 02/10/22 15:02 Percent Solids: 93.6 Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography **Analyte** Result Qualifier RL MDL Unit **Prepared** Analyzed Dil Fac PCB-1016 0.21 U 0.21 0.042 mg/Kg 02/11/22 10:00 02/13/22 19:14 1 0.21 PCB-1221 0.21 U 0.042 mg/Kg 02/11/22 10:00 02/13/22 19:14 PCB-1232 0.21 U 0.21 0.042 mg/Kg © 02/11/22 10:00 02/13/22 19:14 1 PCB-1242 0.21 U 0.21 0.042 mg/Kg 02/11/22 10:00 02/13/22 19:14 PCB-1248 0.21 0.042 mg/Kg 02/11/22 10:00 02/13/22 19:14 0.21 U 1 PCB-1254 0.21 U 0.21 0.10 mg/Kg 02/11/22 10:00 02/13/22 19:14 1 **PCB-1260** 0.17 J 0.21 0.10 mg/Kg © 02/11/22 10:00 02/13/22 19:14 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac DCB Decachlorobiphenyl 02/11/22 10:00 02/13/22 19:14 72 65 - 174 DCB Decachlorobiphenyl 81 65 - 174 02/11/22 10:00 02/13/22 19:14

Eurofins Buffalo

Lab Sample ID: 480-194868-1

02/11/22 10:00 02/16/22 19:59

02/11/22 10:00 02/13/22 19:01 02/11/22 10:00 02/13/22 19:01

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-20 (1.9-2.4)

Lab Sample ID: 480-194868-7 Date Collected: 02/08/22 09:50 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 93.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene | 80 | | 60 - 154 | 02/11/22 10:00 | 02/13/22 19:14 | 1 |
| Tetrachloro-m-xylene | 84 | | 60 - 154 | 02/11/22 10:00 | 02/13/22 19:14 | 1 |

Client Sample ID: B-20 (4.4-6.4)

Date Collected: 02/08/22 12:50 Date Received: 02/10/22 15:02

Lab Sample ID: 480-194868-9

Prenared

Matrix: Solid Percent Solids: 83.2

∆nalyzed

Dil Fac

| Method: 8270D - \$ | Semivolatile Organic Compounds (| (GC/MS) |
|--------------------|----------------------------------|---------|
| Analyte | Result Qualifier | RI |

| | | 120 | | | _ = | 02/11/22 12:24 | 02/14/22 20:43 | 1 |
|-----------|--|-----------------------|--|---|---|---|---|---|
| 120 | U | 120 | 03 | ug/rtg | 340 | 02/11/22 12.24 | 02/14/22 20.43 | |
| %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 108 | | 54 - 120 | | | | 02/11/22 12:24 | 02/14/22 20:43 | 1 |
| 82 | | 52 - 120 | | | | 02/11/22 12:24 | 02/14/22 20:43 | 1 |
| 101 | | 79 - 130 | | | | 02/11/22 12:24 | 02/14/22 20:43 | 1 |
| 84 | | 54 - 120 | | | | 02/11/22 12:24 | 02/14/22 20:43 | 1 |
| 91 | | 53 - 120 | | | | 02/11/22 12:24 | 02/14/22 20:43 | 1 |
| 99 | | 60 - 120 | | | | 02/11/22 12:24 | 02/14/22 20:43 | 1 |
| - | 120 %Recovery 108 82 101 84 91 | 82 101 84 91 | 120 U 120 %Recovery Qualifier Limits 108 54 - 120 82 52 - 120 101 79 - 130 84 54 - 120 91 53 - 120 | 120 U 120 65 %Recovery Qualifier Limits 108 54 - 120 82 52 - 120 101 79 - 130 84 54 - 120 91 53 - 120 | 120 U 120 65 ug/Kg %Recovery Qualifier Limits 108 54 - 120 82 52 - 120 101 79 - 130 84 54 - 120 91 53 - 120 | 120 U 120 65 ug/Kg %Recovery Qualifier Limits 108 54 - 120 82 52 - 120 101 79 - 130 84 54 - 120 91 53 - 120 | 120 U 120 65 ug/Kg □ 02/11/22 12:24 %Recovery Qualifier Limits Prepared 108 54 - 120 02/11/22 12:24 82 52 - 120 02/11/22 12:24 101 79 - 130 02/11/22 12:24 84 54 - 120 02/11/22 12:24 91 53 - 120 02/11/22 12:24 | 120 U 120 65 ug/Kg ©2/11/22 12:24 02/14/22 20:43 %Recovery Qualifier Limits Prepared Analyzed 108 54 - 120 02/11/22 12:24 02/14/22 20:43 82 52 - 120 02/11/22 12:24 02/14/22 20:43 101 79 - 130 02/11/22 12:24 02/14/22 20:43 84 54 - 120 02/11/22 12:24 02/14/22 20:43 91 53 - 120 02/11/22 12:24 02/14/22 20:43 |

MDL Unit

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|--------------|----------------|----------------|---------|
| PCB-1016 | 0.26 | U | 0.26 | 0.052 | mg/Kg | \ | 02/11/22 10:00 | 02/13/22 19:27 | 1 |
| PCB-1221 | 0.26 | U | 0.26 | 0.052 | mg/Kg | ☆ | 02/11/22 10:00 | 02/13/22 19:27 | 1 |
| PCB-1232 | 0.26 | U | 0.26 | 0.052 | mg/Kg | ☆ | 02/11/22 10:00 | 02/13/22 19:27 | 1 |
| PCB-1242 | 0.22 | J | 0.26 | 0.052 | mg/Kg | ☆ | 02/11/22 10:00 | 02/13/22 19:27 | 1 |
| PCB-1248 | 0.26 | U | 0.26 | 0.052 | mg/Kg | ☆ | 02/11/22 10:00 | 02/13/22 19:27 | 1 |
| PCB-1254 | 0.26 | U | 0.26 | 0.12 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 19:27 | 1 |
| PCB-1260 | 0.26 | U | 0.26 | 0.12 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 19:27 | 1 |
| | | | | | | | | | |

| Surrogate | %Recovery Qua | alifier Limits | Prepared | Analyzed | Dil Fac |
|------------------------|---------------|----------------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 85 | 65 - 174 | 02/11/22 10:00 | 02/13/22 19:27 | 1 |
| DCB Decachlorobiphenyl | 96 | 65 - 174 | 02/11/22 10:00 | 02/13/22 19:27 | 1 |
| Tetrachloro-m-xylene | 91 | 60 - 154 | 02/11/22 10:00 | 02/13/22 19:27 | 1 |
| Tetrachloro-m-xylene | 103 | 60 - 154 | 02/11/22 10:00 | 02/13/22 19:27 | 1 |

Method: 537 (Modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid | 0.24 | U | 0.24 | 0.023 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluoroheptanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorooctanoic acid | 0.047 | J | 0.24 | 0.026 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorononanoic acid | 0.24 | U | 0.24 | 0.028 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorodecanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorotridecanoic acid | 0.24 | U | 0.24 | 0.025 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorotetradecanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorobutanesulfonic acid | 0.48 | U | 0.48 | 0.43 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorohexanesulfonic acid | 0.24 | U | 0.24 | 0.023 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorooctanesulfonic acid | 0.24 | U | 0.24 | 0.042 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| NEtFOSAA | 0.24 | U | 0.24 | 0.026 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| NMeFOSAA | 0.24 | U | 0.24 | 0.037 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluoroheptanesulfonic acid | 0.24 | U | 0.24 | 0.024 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-20 (4.4-6.4)

Lab Sample ID: 480-194868-9

 Date Collected: 02/08/22 12:50
 Matrix: Solid

 Date Received: 02/10/22 15:02
 Percent Solids: 83.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-------|------|-------------|----------------|----------------|---------|
| Perfluorodecanesulfonic acid | 0.24 | U | 0.24 | 0.025 | ng/g | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorooctanesulfonamide | 0.24 | U | 0.24 | 0.025 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorobutanoic acid | 0.033 | J | 0.24 | 0.029 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluoroundecanoic acid | 0.24 | U | 0.24 | 0.067 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluorododecanoic acid | 0.24 | U | 0.24 | 0.028 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.24 | U | 0.24 | 0.059 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.24 | U | 0.24 | 0.020 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Perfluoropentanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 122 | | 15 - 200 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| M2-6:2 FTS | 131 | | 10 - 200 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C5 PFHxA | 91 | | 10 - 174 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C4 PFHpA | 93 | | 10 - 178 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C8 PFOA | 98 | | 26 - 159 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C9 PFNA | 100 | | 26 - 165 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C6 PFDA | 100 | | 26 - 161 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C7 PFUnA | 103 | | 12 - 173 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C2-PFDoDA | 95 | | 11 - 166 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C2 PFTeDA | 106 | | 10 - 169 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C3 PFBS | 111 | | 27 - 179 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C3 PFHxS | 103 | | 24 - 171 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C8 PFOS | 104 | | 41 - 154 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| d3-NMeFOSAA | 75 | | 10 - 178 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| d5-NEtFOSAA | 92 | | 10 - 193 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C8 FOSA | 90 | | 14 - 163 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C4 PFBA | 95 | | 28 - 153 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |
| 13C5 PFPeA | 102 | | 24 - 161 | | | | 02/21/22 07:37 | 02/24/22 00:40 | 1 |

Client Sample ID: B-15 (1.0-1.5)

Date Collected: 02/08/22 10:20

Matrix: Solid

Date Received: 02/10/22 15:02

Lab Sample ID: 480-194868-12

Matrix: Solid

Percent Solids: 83.4

| Date Received: 02/10/22 1 | 5:02 | | | | | Percent Solid | s: 83.4 | | |
|---------------------------|------------------|------------|-------------|--------|-------|---------------|----------------|----------------|---------|
| Method: 8082A - Polychio | orinated Bipheny | /Is (PCBs) | by Gas Chro | matogr | aphy | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 1.4 | U | 1.4 | 0.27 | mg/Kg | * | 02/11/22 10:00 | 02/16/22 20:12 | 5 |
| PCB-1221 | 1.4 | U | 1.4 | 0.27 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:12 | 5 |
| PCB-1232 | 1.4 | U | 1.4 | 0.27 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:12 | 5 |
| PCB-1242 | 1.4 | U | 1.4 | 0.27 | mg/Kg | ₽ | 02/11/22 10:00 | 02/16/22 20:12 | 5 |
| PCB-1248 | 19 | J | 1.4 | 0.27 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:12 | 5 |
| PCB-1254 | 1.4 | U | 1.4 | 0.64 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:12 | 5 |
| PCB-1260 | 1.4 | U | 1.4 | 0.64 | mg/Kg | ≎ | 02/11/22 10:00 | 02/16/22 20:12 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 107 | | 65 - 174 | | | | 02/11/22 10:00 | 02/16/22 20:12 | 5 |
| DCB Decachlorobiphenyl | 113 | | 65 - 174 | | | | 02/11/22 10:00 | 02/16/22 20:12 | 5 |
| Tetrachloro-m-xylene | 97 | | 60 - 154 | | | | 02/11/22 10:00 | 02/16/22 20:12 | 5 |
| Tetrachloro-m-xylene | 106 | | 60 - 154 | | | | 02/11/22 10:00 | 02/16/22 20:12 | 5 |

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-15 (5.5-7.5)

Lab Sample ID: 480-194868-15 Date Collected: 02/08/22 13:41 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 86.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|------|-------|---------|----------------|----------------|---------|
| PCB-1016 | 2.5 | U | 2.5 | 0.49 | mg/Kg | <u></u> | 02/11/22 10:00 | 02/16/22 20:25 | 10 |
| PCB-1221 | 2.5 | U | 2.5 | 0.49 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:25 | 10 |
| PCB-1232 | 2.5 | U | 2.5 | 0.49 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:25 | 10 |
| PCB-1242 | 36 | | 2.5 | 0.49 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:25 | 10 |
| PCB-1248 | 2.5 | U | 2.5 | 0.49 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:25 | 10 |
| PCB-1254 | 2.5 | U | 2.5 | 1.2 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:25 | 10 |
| PCB-1260 | 2.5 | U | 2.5 | 1.2 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:25 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 124 | | 65 - 174 | | | | 02/11/22 10:00 | 02/16/22 20:25 | 10 |
| DCB Decachlorobiphenyl | 128 | | 65 - 174 | | | | 02/11/22 10:00 | 02/16/22 20:25 | 10 |
| Tetrachloro-m-xvlene | 109 | | 60 - 154 | | | | 02/11/22 10:00 | 02/16/22 20:25 | 10 |

Client Sample ID: B-10 (1.1-1.6)

Tetrachloro-m-xylene

Tetrachloro-m-xylene

Lab Sample ID: 480-194868-17 Date Collected: 02/08/22 10:45 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 83.2

60 - 154

116

123

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|------------------|----------|-----|-------|---|----------------|----------------|---------|
| PCB-1016 | 14 | U J | 14 | 2.8 | mg/Kg | ₽ | 02/11/22 10:00 | 02/16/22 20:39 | 50 |
| PCB-1221 | 14 | U J | 14 | 2.8 | mg/Kg | ₽ | 02/11/22 10:00 | 02/16/22 20:39 | 50 |
| PCB-1232 | 14 | U <mark>J</mark> | 14 | 2.8 | mg/Kg | ₽ | 02/11/22 10:00 | 02/16/22 20:39 | 50 |
| PCB-1242 | 110 | J | 14 | 2.8 | mg/Kg | ₽ | 02/11/22 10:00 | 02/16/22 20:39 | 50 |
| PCB-1248 | 14 | UJ | 14 | 2.8 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:39 | 50 |
| PCB-1254 | 14 | UJ | 14 | 6.6 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:39 | 50 |
| PCB-1260 | 14 | U J | 14 | 6.6 | mg/Kg | ₩ | 02/11/22 10:00 | 02/16/22 20:39 | 50 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 127 | | 65 - 174 | | | | 02/11/22 10:00 | 02/16/22 20:39 | 50 |
| DCB Decachlorobiphenyl | 142 | | 65 - 174 | | | | 02/11/22 10:00 | 02/16/22 20:39 | 50 |
| Tetrachloro-m-xylene | 115 | | 60 - 154 | | | | 02/11/22 10:00 | 02/16/22 20:39 | 50 |

Client Sample ID: B-10 (3.6-5.6) Lab Sample ID: 480-194868-19

60 - 154

Date Collected: 02/08/22 14:00 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 79 4

| Date Received. 02/10/22 18 | GCGIVEU. 02/10/22 13.02 | | | | | | | Percent Sono | 5. / 5.4 |
|----------------------------|-------------------------|------------|-------------|--------|-------|---|----------------|----------------|----------|
| Method: 8082A - Polychic | orinated Bipheny | /Is (PCBs) | by Gas Chro | matogr | aphy | | | | |
| Analyte | | Qualifier | RL | _ | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.29 | U | 0.29 | 0.056 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 20:20 | 1 |
| PCB-1221 | 0.29 | U | 0.29 | 0.056 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 20:20 | 1 |
| PCB-1232 | 0.29 | U | 0.29 | 0.056 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 20:20 | 1 |
| PCB-1242 | 0.35 | J | 0.29 | 0.056 | mg/Kg | ⊅ | 02/11/22 10:00 | 02/13/22 20:20 | 1 |
| PCB-1248 | 0.29 | U | 0.29 | 0.056 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 20:20 | 1 |
| PCB-1254 | 0.29 | U | 0.29 | 0.13 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 20:20 | 1 |
| PCB-1260 | 0.29 | U | 0.29 | 0.13 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 20:20 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 83 | | 65 - 174 | | | | 02/11/22 10:00 | 02/13/22 20:20 | 1 |
| DCB Decachlorobiphenvl | 92 | | 65 - 174 | | | | 02/11/22 10:00 | 02/13/22 20:20 | 1 |

Eurofins Buffalo

02/11/22 10:00 02/16/22 20:25

02/11/22 10:00 02/16/22 20:39

10

50

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-10 (3.6-5.6)

Lab Sample ID: 480-194868-19 Date Collected: 02/08/22 14:00 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 79.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|---------------|------------------|---------|
| Tetrachloro-m-xylene | 89 | | 60 - 154 | 02/11/22 10:0 | 0 02/13/22 20:20 | 1 |
| Tetrachloro-m-xylene | 105 | | 60 - 154 | 02/11/22 10:0 | 0 02/13/22 20:20 | 1 |

Client Sample ID: FD-02082022

Lab Sample ID: 480-194868-21 Date Collected: 02/08/22 00:00 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 85.4

| ated Bipheny | Is (PCBs) by | y Gas Chro | matogra | aphy | | | | |
|--------------|---------------------------------|--|--|--|--|--|---|---|
| Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 13 | U J | 13 | 2.5 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:52 | 50 |
| 13 | U J | 13 | 2.5 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:52 | 50 |
| 13 | UJ | 13 | 2.5 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:52 | 50 |
| 110 | J | 13 | 2.5 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:52 | 50 |
| 13 | U <mark>J</mark> | 13 | 2.5 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:52 | 50 |
| 13 | U J | 13 | 5.9 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 20:52 | 50 |
| 13 | UJ | 13 | 5.9 | mg/Kg | ₩ | 02/11/22 10:00 | 02/16/22 20:52 | 50 |
| | Result 13 13 13 110 13 13 | Result Qualifier 13 U J 13 U J 13 U J | Result Qualifier RL 13 U J 13 13 U J 13 13 U J 13 110 J 13 13 U J 13 13 U J 13 13 U J 13 | Result Qualifier RL MDL 13 U J 13 2.5 13 U J 13 2.5 13 U J 13 2.5 110 J 13 2.5 13 U J 13 2.5 13 U J 13 5.9 | 13 U J 13 2.5 mg/Kg 110 J 13 2.5 mg/Kg 13 U J 13 2.5 mg/Kg 13 U J 13 5.9 mg/Kg | Result Qualifier RL MDL Unit D 13 U J 13 2.5 mg/Kg ☆ 13 U J 13 5.9 mg/Kg ☆ | Result Qualifier RL MDL Unit D Prepared 13 U J 13 2.5 mg/Kg □ 02/11/22 10:00 13 U J 13 2.5 mg/Kg □ 02/11/22 10:00 13 U J 13 2.5 mg/Kg □ 02/11/22 10:00 13 U J 13 2.5 mg/Kg □ 02/11/22 10:00 13 U J 13 2.5 mg/Kg □ 02/11/22 10:00 13 U J 13 5.9 mg/Kg □ 02/11/22 10:00 | Result Qualifier RL MDL yref Unit D yrepared Analyzed 13 U J 13 2.5 mg/Kg ©2/11/22 10:00 02/16/22 20:52 13 U J 13 2.5 mg/Kg ©02/11/22 10:00 02/16/22 20:52 13 U J 13 2.5 mg/Kg ©02/11/22 10:00 02/16/22 20:52 110 J 13 2.5 mg/Kg ©02/11/22 10:00 02/16/22 20:52 13 U J 13 2.5 mg/Kg ©02/11/22 10:00 02/16/22 20:52 13 U J 13 5.9 mg/Kg ©02/11/22 10:00 02/16/22 20:52 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 125 | | 65 - 174 | 02/11/22 10:00 | 02/16/22 20:52 | 50 |
| DCB Decachlorobiphenyl | 135 | | 65 - 174 | 02/11/22 10:00 | 02/16/22 20:52 | 50 |
| Tetrachloro-m-xylene | 113 | | 60 - 154 | 02/11/22 10:00 | 02/16/22 20:52 | 50 |
| Tetrachloro-m-xylene | 117 | | 60 - 154 | 02/11/22 10:00 | 02/16/22 20:52 | 50 |

Client Sample ID: B-5 (0.7-1.2)

Date Collected: 02/08/22 11:00

Lab Sample ID: 480-194868-22 Matrix: Solid Date Received: 02/10/22 15:02 Percent Solids: 84.4

| Method: 8082A - Polychlo | rinated Bipheny | /Is (PCBs) b | y Gas Chrom | iatogra | aphy | | | | |
|--------------------------|-----------------|--------------|-------------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 11 | UFYJ | 11 | 2.1 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 19:46 | 50 |
| PCB-1221 | 11 | U J | 11 | 2.1 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 19:46 | 50 |
| PCB-1232 | 11 | U J | 11 | 2.1 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 19:46 | 50 |
| PCB-1242 | 62 | J | 11 | 2.1 | mg/Kg | ₽ | 02/11/22 10:00 | 02/16/22 19:46 | 50 |
| PCB-1248 | 11 | U J | 11 | 2.1 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 19:46 | 50 |
| PCB-1254 | 11 | U J | 11 | 5.1 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 19:46 | 50 |
| PCB-1260 | 11 | UJ | 11 | 5.1 | mg/Kg | ₽ | 02/11/22 10:00 | 02/16/22 19:46 | 50 |
| | | | | | | | | | |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|---------------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 114 | 65 - 174 | 02/11/22 10:00 | 02/16/22 19:46 | 50 |
| DCB Decachlorobiphenyl | 122 | 65 - 174 | 02/11/22 10:00 | 02/16/22 19:46 | 50 |
| Tetrachloro-m-xylene | 102 | 60 - 154 | 02/11/22 10:00 | 02/16/22 19:46 | 50 |
| Tetrachloro-m-xylene | 107 | 60 - 154 | 02/11/22 10:00 | 02/16/22 19:46 | 50 |

Client Sample ID: B-5 (3.2-5.2) Lab Sample ID: 480-194868-24

Date Collected: 02/08/22 14:20 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 79.9

| Method: 8270D - Semivolatile | Organic Compounds (| GC/MS) |
|------------------------------|----------------------------|--------|
| | | |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 1 4-Dioxane | 120 | U | 120 | 67 | ua/Ka | | 02/11/22 12:24 | 02/14/22 21:07 | 1 |

Eurofins Buffalo 03/01/2022

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-5 (3.2-5.2)

Lab Sample ID: 480-194868-24 Date Collected: 02/08/22 14:20 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 79.9

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 97 | | 54 - 120 | 02/11/22 12:24 | 02/14/22 21:07 | 1 |
| 2-Fluorophenol (Surr) | 75 | | 52 - 120 | 02/11/22 12:24 | 02/14/22 21:07 | 1 |
| p-Terphenyl-d14 (Surr) | 97 | | 79 - 130 | 02/11/22 12:24 | 02/14/22 21:07 | 1 |
| Phenol-d5 (Surr) | 77 | | 54 - 120 | 02/11/22 12:24 | 02/14/22 21:07 | 1 |
| Nitrobenzene-d5 (Surr) | 84 | | 53 - 120 | 02/11/22 12:24 | 02/14/22 21:07 | 1 |
| 2-Fluorobiphenyl (Surr) | 94 | | 60 - 120 | 02/11/22 12:24 | 02/14/22 21:07 | 1 |

| Method: 8082A - Polychlorinate | ed Bipheny | /Is (PCBs) | by Gas Chrom | atogr | aphy | | | | |
|--------------------------------|------------|------------|--------------|-------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 20:47 | 1 |
| PCB-1221 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ⇔ | 02/11/22 10:00 | 02/13/22 20:47 | 1 |
| PCB-1232 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ≎ | 02/11/22 10:00 | 02/13/22 20:47 | 1 |

| PCB-1221 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 20:47 | 1 |
|----------|------|---|------|-------|-------|---|----------------|----------------|---|
| PCB-1232 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ≎ | 02/11/22 10:00 | 02/13/22 20:47 | 1 |
| PCB-1242 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ₽ | 02/11/22 10:00 | 02/13/22 20:47 | 1 |
| PCB-1248 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ₽ | 02/11/22 10:00 | 02/13/22 20:47 | 1 |
| PCB-1254 | 0.27 | U | 0.27 | 0.13 | mg/Kg | ₽ | 02/11/22 10:00 | 02/13/22 20:47 | 1 |
| PCB-1260 | 0.27 | U | 0.27 | 0.13 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 20:47 | 1 |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|---------------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 87 | 65 - 174 | 02/11/22 10:00 | 02/13/22 20:47 | 1 |
| DCB Decachlorobiphenyl | 98 | 65 - 174 | 02/11/22 10:00 | 02/13/22 20:47 | 1 |
| Tetrachloro-m-xylene | 99 | 60 - 154 | 02/11/22 10:00 | 02/13/22 20:47 | 1 |
| Tetrachloro-m-xylene | 110 | 60 - 154 | 02/11/22 10:00 | 02/13/22 20:47 | 1 |

| Method: 537 (I | Modified) - | Fluorinated Alk | yl Substances |
|----------------|-------------|-------------------------------------|---------------|
|----------------|-------------|-------------------------------------|---------------|

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid | 0.25 | U | 0.25 | 0.024 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluoroheptanoic acid | 0.25 | U | 0.25 | 0.030 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorooctanoic acid | 0.030 | J | 0.25 | 0.027 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorononanoic acid | 0.25 | U | 0.25 | 0.028 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorodecanoic acid | 0.25 | U | 0.25 | 0.030 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorotridecanoic acid | 0.25 | U | 0.25 | 0.026 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorotetradecanoic acid | 0.25 | U | 0.25 | 0.030 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorobutanesulfonic acid | 0.50 | U | 0.50 | 0.45 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorohexanesulfonic acid | 0.25 | U | 0.25 | 0.024 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorooctanesulfonic acid | 0.25 | U | 0.25 | 0.043 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| NEtFOSAA | 0.25 | U | 0.25 | 0.027 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| NMeFOSAA | 0.25 | U | 0.25 | 0.038 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluoroheptanesulfonic acid | 0.25 | U | 0.25 | 0.025 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorodecanesulfonic acid | 0.25 | U | 0.25 | 0.026 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorooctanesulfonamide | 0.25 | U | 0.25 | 0.026 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorobutanoic acid | 0.25 | U | 0.25 | 0.030 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluoroundecanoic acid | 0.25 | U | 0.25 | 0.069 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluorododecanoic acid | 0.25 | U | 0.25 | 0.028 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.25 | U | 0.25 | 0.061 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.25 | U | 0.25 | 0.021 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Perfluoropentanoic acid | 0.25 | U | 0.25 | 0.030 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 119 | | 15 - 200 | | | | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| M2-6:2 FTS | 133 | | 10 - 200 | | | | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C5 PFHxA | 80 | | 10 - 174 | | | | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| | | | | | | | | | |

Eurofins Buffalo 03/01/2022

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

DCB Decachlorobiphenyl

Client Sample ID: B-5 (3.2-5.2)

Lab Sample ID: 480-194868-24

 Date Collected: 02/08/22 14:20
 Matrix: Solid

 Date Received: 02/10/22 15:02
 Percent Solids: 79.9

| Isotope Dilution | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|---------------------|----------|----------------|----------------|---------|
| 13C4 PFHpA | 86 | 10 - 178 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C8 PFOA | 84 | 26 - 159 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C9 PFNA | 96 | 26 - 165 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C6 PFDA | 90 | 26 - 161 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C7 PFUnA | 86 | 12 - 173 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C2-PFDoDA | 86 | 11 - 166 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C2 PFTeDA | 89 | 10 - 169 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C3 PFBS | 98 | 27 - 179 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C3 PFHxS | 93 | 24 - 171 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C8 PFOS | 93 | 41 - 154 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| d3-NMeFOSAA | 74 | 10 - 178 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| d5-NEtFOSAA | 87 | 10 - 193 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C8 FOSA | 46 | 14 - 163 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C4 PFBA | 84 | 28 - 153 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |
| 13C5 PFPeA | 90 | 24 - 161 | 02/21/22 07:37 | 02/24/22 00:51 | 1 |

Client Sample ID: B-18 (1.2-1.7) Lab Sample ID: 480-194868-26

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | 0.25 | U | 0.25 | 0.049 | mg/Kg | ⊅ | 02/11/22 10:00 | 02/13/22 21:00 | 1 |
| PCB-1221 | 0.25 | U | 0.25 | 0.049 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 21:00 | 1 |
| PCB-1232 | 0.25 | U | 0.25 | 0.049 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 21:00 | 1 |
| PCB-1242 | 0.25 | U | 0.25 | 0.049 | mg/Kg | ⊅ | 02/11/22 10:00 | 02/13/22 21:00 | 1 |
| PCB-1248 | 4.0 | | 0.25 | 0.049 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 21:00 | 1 |
| PCB-1254 | 0.25 | U | 0.25 | 0.12 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 21:00 | 1 |
| PCB-1260 | 0.25 | U | 0.25 | 0.12 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 21:00 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 80 | | 65 - 174 | | | | 02/11/22 10:00 | 02/13/22 21:00 | 1 |

 Tetrachloro-m-xylene
 82
 60 - 154
 02/11/22 10:00
 02/13/22 21:00
 1

 Tetrachloro-m-xylene
 93
 60 - 154
 02/11/22 10:00
 02/13/22 21:00
 1

 Client Sample ID: B-18 (1.7-3.7)
 Lab Sample ID: 480-194868-27

65 - 174

89

Date Collected: 02/09/22 09:40

Date Received: 02/10/22 15:02

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Applyto Property Ovalifier Plant MDI Unit De Property Applytod Dil Fac

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| 1,4-Dioxane | 110 | U | 110 | 60 | ug/Kg | ☼ | 02/11/22 12:24 | 02/14/22 21:31 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 109 | | 54 - 120 | | | | 02/11/22 12:24 | 02/14/22 21:31 | 1 |
| 2-Fluorophenol (Surr) | 81 | | 52 - 120 | | | | 02/11/22 12:24 | 02/14/22 21:31 | 1 |
| p-Terphenyl-d14 (Surr) | 102 | | 79 - 130 | | | | 02/11/22 12:24 | 02/14/22 21:31 | 1 |
| Phenol-d5 (Surr) | 83 | | 54 - 120 | | | | 02/11/22 12:24 | 02/14/22 21:31 | 1 |
| Nitrobenzene-d5 (Surr) | 87 | | 53 - 120 | | | | 02/11/22 12:24 | 02/14/22 21:31 | 1 |
| 2-Fluorobiphenyl (Surr) | 99 | | 60 - 120 | | | | 02/11/22 12:24 | 02/14/22 21:31 | 1 |

Eurofins Buffalo

1

02/11/22 10:00 02/13/22 21:00

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-18 (1.7-3.7)

Lab Sample ID: 480-194868-27 Date Collected: 02/09/22 09:40 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 90.2

| Method: 8082A - Polychlorina Analyte | | Qualifier | RL | MDL | | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------------|-----------|-----------------|-------|-------|----|-------------------------|----------------|---------------------------------------|
| PCB-1016 | 0.22 | | 0.22 | | mg/Kg | | 02/11/22 10:00 | • | 1 |
| PCB-1221 | 0.22 | | 0.22 | | mg/Kg | ☼ | | 02/13/22 21:13 | 1 |
| PCB-1232 | 0.22 | | 0.22 | | mg/Kg | ☼ | | 02/13/22 21:13 | 1 |
| PCB-1242 | 0.22 | | 0.22 | | mg/Kg | | | 02/13/22 21:13 | · · · · · · · · · · · · · · · · · · · |
| PCB-1248 | 0.22 | | 0.22 | | mg/Kg | Ť. | | 02/13/22 21:13 | 1 |
| PCB-1254 | 0.51 | | 0.22 | | mg/Kg | ☼ | | 02/13/22 21:13 | 1 |
| PCB-1260 | 0.22 | U | 0.22 | | mg/Kg | | | 02/13/22 21:13 | · · · · · · 1 |
| • | 0/5 | 0 1:5: | | | 0 0 | | _ , | | 57.5 |
| Surrogate | %Recovery | Qualifier | Limits 65 - 174 | | | | Prepared 00/44/00 40:00 | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 86 | | | | | | 02/11/22 10:00 | | 1 |
| DCB Decachlorobiphenyl | 97 | | 65 - 174 | | | | | 02/13/22 21:13 | 1 |
| Tetrachloro-m-xylene | 86 | | 60 - 154 | | | | | 02/13/22 21:13 | |
| Tetrachloro-m-xylene | 101 | | 60 - 154 | | | | 02/11/22 10:00 | 02/13/22 21:13 | 1 |
| Method: 537 (Modified) - Fluo | rinated Alky | l Substan | ces | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Perfluorohexanoic acid | 0.22 | U | 0.22 | 0.021 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluoroheptanoic acid | 0.22 | U | 0.22 | 0.026 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorooctanoic acid | 0.033 | J | 0.22 | 0.024 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorononanoic acid | 0.22 | U | 0.22 | 0.025 | ng/g | ≎ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorodecanoic acid | 0.077 | J | 0.22 | 0.026 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorotridecanoic acid | 0.22 | U | 0.22 | 0.023 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorotetradecanoic acid | 0.22 | U | 0.22 | 0.026 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorobutanesulfonic acid | 0.44 | U | 0.44 | 0.40 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorohexanesulfonic acid | 0.22 | U | 0.22 | 0.021 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorooctanesulfonic acid | 0.66 | | 0.22 | 0.039 | ng/g | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| NEtFOSAA | 0.22 | U | 0.22 | 0.024 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| NMeFOSAA | 0.22 | U | 0.22 | 0.034 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluoroheptanesulfonic acid | 0.22 | U | 0.22 | 0.022 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorodecanesulfonic acid | 0.22 | U | 0.22 | 0.023 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorooctanesulfonamide | 0.22 | U | 0.22 | 0.023 | ng/g | ≎ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorobutanoic acid | 0.22 | U | 0.22 | 0.026 | ng/g | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluoroundecanoic acid | 0.22 | U | 0.22 | 0.062 | | ≎ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluorododecanoic acid | 0.22 | U | 0.22 | 0.025 | ng/g | ≎ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.61 | | 0.22 | 0.054 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.22 | U | 0.22 | 0.019 | | ₽ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Perfluoropentanoic acid | 0.22 | U | 0.22 | 0.026 | | ₩ | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 134 | | 15 - 200 | | | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| M2-6:2 FTS | 140 | | 10 - 200 | | | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| 13C5 PFHxA | 91 | | 10 - 174 | | | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| 13C4 PFHpA | 92 | | 10 - 178 | | | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| 13C8 PFOA | 93 | | 26 - 159 | | | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| 13C9 PFNA | 103 | | 26 - 165 | | | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| 13C6 PFDA | 101 | | 26 - 161 | | | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| 13C7 PFUnA | 100 | | 12 - 173 | | | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| | | | 11 - 166 | | | | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| 13C2-PFDoDA | 100 | | 11 - 100 | | | | | | |
| 13C2-PFDoDA 13C2 PFTeDA | 100 96 | | 10 - 169 | | | | | 02/24/22 01:02 | 1 |
| | | | | | | | 02/21/22 07:37 | | 1 |

Eurofins Buffalo

Page 17 of 1421

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-18 (1.7-3.7)

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Tetrachloro-m-xylene

Lab Sample ID: 480-194868-27 Date Collected: 02/09/22 09:40 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 90.2

| Method: 537 (Modified) |) - Fluorinated Alkyl | Substand | ces (Continued) | | | |
|------------------------|-----------------------|-----------|-----------------|------------------|----------------|---------|
| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
| 13C8 PFOS | 100 | | 41 - 154 | 02/21/22 07:37 | 02/24/22 01:02 | 1 |
| d3-NMeFOSAA | 72 | | 10 - 178 | 02/21/22 07:37 (| 02/24/22 01:02 | 1 |
| d5-NEtFOSAA | 84 | | 10 - 193 | 02/21/22 07:37 (| 02/24/22 01:02 | 1 |
| 13C8 FOSA | 70 | | 14 - 163 | 02/21/22 07:37 (| 02/24/22 01:02 | 1 |
| 13C4 PFBA | 95 | | 28 - 153 | 02/21/22 07:37 (| 02/24/22 01:02 | 1 |
| 13C5 PFPeA | 96 | | 24 - 161 | 02/21/22 07:37 | 02/24/22 01:02 | 1 |

Client Sample ID: B-18 (3.7-5.7) Lab Sample ID: 480-194868-28 Date Collected: 02/09/22 13:10 **Matrix: Solid**

Date Received: 02/10/22 15:02 Percent Solids: 83.8

| Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography | | | | | | | | | |
|--|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.26 | U | 0.26 | 0.051 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 21:27 | 1 |
| PCB-1221 | 0.26 | U | 0.26 | 0.051 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 21:27 | 1 |
| PCB-1232 | 0.26 | U | 0.26 | 0.051 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 21:27 | 1 |
| PCB-1242 | 0.26 | U | 0.26 | 0.051 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 21:27 | 1 |
| PCB-1248 | 0.26 | U | 0.26 | 0.051 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 21:27 | 1 |
| PCB-1254 | 0.26 | U | 0.26 | 0.12 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 21:27 | 1 |
| PCB-1260 | 0.26 | U | 0.26 | 0.12 | mg/Kg | ₩ | 02/11/22 10:00 | 02/13/22 21:27 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 79 | | 65 - 174 | 02/11/22 10:00 | 02/13/22 21:27 | 1 |
| DCB Decachlorobiphenyl | 89 | | 65 - 174 | 02/11/22 10:00 | 02/13/22 21:27 | 1 |
| Tetrachloro-m-xylene | 86 | | 60 - 154 | 02/11/22 10:00 | 02/13/22 21:27 | 1 |
| Tetrachloro-m-xylene | 96 | | 60 - 154 | 02/11/22 10:00 | 02/13/22 21:27 | 1 |

Client Sample ID: B-19 (1.3-1.8) Lab Sample ID: 480-194868-31

Date Collected: 02/09/22 10:10 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 84.5

| Method: 8082A - Polychic Analyte | | Qualifier | RL | MDL | | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|-----|-------|---------|----------------|----------------|---------|
| PCB-1016 | 5.2 | U | 5.2 | 1.0 | mg/Kg | <u></u> | 02/11/22 10:00 | 02/16/22 21:05 | 20 |
| PCB-1221 | 5.2 | U | 5.2 | 1.0 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 21:05 | 20 |
| PCB-1232 | 5.2 | U | 5.2 | 1.0 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 21:05 | 20 |
| PCB-1242 | 5.2 | U | 5.2 | 1.0 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 21:05 | 20 |
| PCB-1248 | 83 | J | 5.2 | 1.0 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 21:05 | 20 |
| PCB-1254 | 5.2 | U | 5.2 | 2.5 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 21:05 | 20 |
| PCB-1260 | 5.2 | U | 5.2 | 2.5 | mg/Kg | ☼ | 02/11/22 10:00 | 02/16/22 21:05 | 20 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 123 | | 65 - 174 | | | | 02/11/22 10:00 | 02/16/22 21:05 | 20 |

65 - 174

60 - 154

60 - 154

128

113

119

20

20

02/11/22 10:00 02/16/22 21:05

02/11/22 10:00 02/16/22 21:05

02/11/22 10:00 02/16/22 21:05

Client: ARCADIS U.S. Inc Job ID: 480-194868-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-19 (3.8-5.8)

Lab Sample ID: 480-194868-33 Date Collected: 02/09/22 13:30 **Matrix: Solid** Date Received: 02/10/22 15:02 Percent Solids: 80.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-------|-------|--------------|----------------|----------------|---------|
| PCB-1016 | 0.24 | U | 0.24 | 0.047 | mg/Kg | - | 02/11/22 10:00 | 02/13/22 21:53 | 1 |
| PCB-1221 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 21:53 | 1 |
| PCB-1232 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ₽ | 02/11/22 10:00 | 02/13/22 21:53 | 1 |
| PCB-1242 | 0.80 | | 0.24 | 0.047 | mg/Kg | ₽ | 02/11/22 10:00 | 02/13/22 21:53 | 1 |
| PCB-1248 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 21:53 | 1 |
| PCB-1254 | 0.24 | U | 0.24 | 0.11 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 21:53 | 1 |
| PCB-1260 | 0.24 | U | 0.24 | 0.11 | mg/Kg | ☼ | 02/11/22 10:00 | 02/13/22 21:53 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 90 | | 65 - 174 | | | | 02/11/22 10:00 | 02/13/22 21:53 | 1 |
| DCB Decachlorobiphenyl | 100 | | 65 - 174 | | | | 02/11/22 10:00 | 02/13/22 21:53 | 1 |
| Tetrachloro-m-xylene | 98 | | 60 - 154 | | | | 02/11/22 10:00 | 02/13/22 21:53 | 1 |
| Tetrachloro-m-xylene | 115 | | 60 - 154 | | | | 02/11/22 10:00 | 02/13/22 21:53 | |



National Grid Dewey Avenue

Data Review Report

Buffalo, New York

Polychlorinated Biphenlys (PCBs) Analyses

SDG # J194980

Analyses Performed By:

SGS Laboratories, Inc. Dayton, New Jersey

Report #48972R Review Level: Tier II Project: 30094243 Task 04

Summary

This Data Review Report summarizes the review of Sample Delivery Group (SDG) # J194980 for samples collected in association with the National Grid Dewey/Kensington Avenue site in Buffalo, New York. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

| Sample ID Lab ID | Lab ID Matrix | Bartuin | Sample Sample | Parent | | Analysis | | | | |
|------------------|---------------|---------|--------------------|--------|-----|----------|-----|------|-----|------|
| | Lab ID | Matrix | Collection Date | Sample | VOC | svoc | РСВ | PEST | MET | MISC |
| B-14 (1.3 - 1.8) | 480-194980-1 | Solid | 2/09/22 | | | | Х | | | |
| B-14 (3.8-5.8) | 480-194980-3 | Solid | 2/09/22 | | | | Х | | | |
| B-3 (14-1.9) | 480-194980-5 | Solid | 2/10/22 | | | | Х | | | |
| B-3 (3.9-5.9) | 480-194980-7 | Solid | 2/10/22 | | | | Х | | | |
| B-4 (1.0-1.5) | 480-194980-8 | Solid | 2/10/22 | | | | Х | | | |
| B-4 (3.5-5.5) | 480-194980-10 | Solid | 2/10/22 | | | | Х | | | |
| B-13 (1.1-1.6) | 480-194980-14 | Solid | 2/10/22 | | | | Х | | | |
| B-13 (3.6-5.6) | 480-194980-16 | Solid | 2/10/22 | | | | Х | | | |
| B-9 (1.0-1.5) | 480-194980-18 | Solid | 2/10/22 | | | | Х | | | |
| B-9 (3.5-5.5) | 480-194980-20 | Solid | 2/10/22 | | | | Х | | | |

Note: This data review only included PCB analysis

Analytical Data Package Documentation

The table below evaluates the data package completeness.

| Items Reviewed | | Reported | | mance ptable | Not Required |
|---|----|----------|----|-----------------|-----------------|
| | No | Yes | No | Yes | Required |
| Sample receipt condition | | X | | Х | |
| 2. Requested analyses and sample results | | Х | | Х | |
| Master tracking list | | Х | | Х | |
| 4. Methods of analysis | | Х | | Х | |
| 5. Reporting limitss | | Х | | Х | |
| 6. Sample collection date | | Х | | Х | |
| 7. Laboratory sample received date | | Х | | Х | |
| 8. Sample preservation verification (as applicable) | | Х | | Х | |
| Sample preparation/extraction/analysis dates | | Х | | Х | |
| 10. Fully executed chain-of-custody form | | Х | | Х | |
| 11. Narrative summary of QA or sample problems provided | | Х | | Х | |
| 12. Data package completeness and compliance | | X | | Х | |

Note:

QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8082A. Data were reviewed in accordance with USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review, EPA-540-R-20-005 (November 2020), and the USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review, EPA540/R-99/008, October 1999 (as applicable).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound is considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

Data Review Report

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Polychlorinated Biphenyls (PCBs) Analysis

1. Holding Times

The specified holding times for the following methods are presented in the table below.

| Method | Matrix | Holding Time | Preservation |
|-------------|--------|--------------------------------------|---------------|
| SW-846 8082 | Water | One year from collection to analysis | Cool to <6 °C |

Note:

s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for Aroclor 1016 and 1260 only. Single-point calibrations were performed for the remaining Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All Aroclors associated with calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

| Sample Locations | Initial/Continuing | Compound | Criteria |
|------------------|--------------------|--------------|----------|
| B-14 (1.3 - 1.8) | | | |
| B-14 (3.8-5.8) | | Aroclor 1016 | 22.2% |
| B-4 (1.0-1.5) | CCV %D | | |
| B-13 (1.1-1.6) | | Aroclor 1260 | 24.8% |
| B-9 (1.0-1.5) | | | |

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

| Initial/Continuing | Criteria | Sample Result | Qualification |
|------------------------|--|------------------|---------------|
| Initial Calibration % | %RSD > 20%or a correlation coefficient <0.99 | Non-detect | UJ |
| | 701COD > 20 7001 a correlation coefficient <0.33 | Detect | J |
| Continuing Calibration | %D >20% | Non-detect | UJ |
| Continuing Calibration | /6D >20 /6 | Detect | J |

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that one of the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

The surrogate recoveries were within control limits.

Sample locations associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

| Sample Locations | Surrogate | Recovery |
|------------------|----------------------|----------|
| R-14 (3 8-5 8) | Tetrachloro-m-xylene | > UL |
| B-14 (3.8-5.8) | Decachlorobiphenyl | AC |

Note:

AC = acceptable

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results are qualified as documented in the table below.

| Control Limit | Sample Result | Qualification |
|--|------------------|---------------|
| the upper central limit (LIII.) | Non-detect | No Action |
| > the upper control limit (UL) | Detect | J |
| the leaves and allies is (LL) but 400/ | Non-detect | UJ |
| < the lower control limit (LL) but > 10% | Detect | J |
| 1004 | Non-detect | R |
| < 10% | Detect | J |
| | Non-detect | |
| One surrogate exhibiting recovery outside the control limits but > 10% | Detect | No Action |
| Surrogates diluted below the calibration curve due to the high concentration | Non-detect | 111/11 |
| of a target compound. | Detect | - UJ/J¹ |

Note:

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited recoveries and RPDs within the control limits.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

A more concentrated analysis was not performed with surrogate compounds within the calibration range; therefore, no determination of extraction efficiency could be made.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil.

Field duplicate analysis was not performed on a sample location within this SDG.

9. Compound Identification

Compounds are identified on the GC by using the analytes relative retention time.

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the percent difference (%D) of detected sample results must be less than 25%.

Sample locations associated with %D analysis exhibiting recoveries outside of the control limits presented in the following table.

| Sample Locations | Compound | %D |
|------------------|----------|------|
| B-13 (1.1-1.6) | PCB-1242 | 36.8 |
| B-9 (1.0-1.5) | PCB-1242 | 26.1 |

The criteria used to evaluate the %D are presented in the following table. In the case of a %D deviation, the sample results are qualified as documented in the table below.

| Control Limit (%D) | Qualification |
|--|---------------|
| >25% to 70% | J |
| >70% to 100% | JN |
| >100% 1 | R |
| >100% to 200% (Interference detected) ² | J or JN |
| >50% (pesticide) sample results less than the RL) | U |

When the PCB sample results are less than the RL and the RPD greater than 50% the sample result are raised to the RL and reported as non-detect.

Note 1: If the pattern is confirmed sample results will be qualified as estimated (J). If pattern exhibits interference or if the PCB cannot be positively determined due to weathering the sample results will be qualified as tentative identification estimate (JN).

Note 2: If interference is detected in either column the sample results will be qualified as tentative identification estimate (JN).

The laboratory noted the following:

- 1. The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: B-4 (3.5-5.5) (480-194980-10). The sample(s) has been quantified and reported as Aroclor PCB-1242. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.
- 2. The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: B-3 (1-.4-1.9) (480-194980-5). The sample(s) has been quantified and reported as Aroclor PCB-1248. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.

The detected sample results associated with sample locations B-4 (3.5-5.5) (480-194980-10) and B-3 (1-.4-1.9) (480-194980-5), were qualified as estimate (J).

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Organochlorine PCBs

| PCBs; SW-846 8082 | Reported | | Performance Acceptable | | Not | |
|---|----------|-----|---------------------------|-----|----------|--|
| | No | Yes | No | Yes | Required | |
| GAS CHROMATOGRAPHY (GC/ECD) | | | | | • | |
| Tier II Validation | | | | | | |
| Holding times | | X | | Х | | |
| Reporting limits (units) | | Х | | Х | | |
| Blanks | | | | ' | | |
| A. Method blanks | | Х | | Х | | |
| B. Equipment blanks | Х | | | | X | |
| Laboratory Control Sample (LCS) %R | | Х | | Х | | |
| Laboratory Control Sample Duplicate (LCSD) %R | Х | | | | X | |
| LCS/LCSD Precision (RPD) | Х | | | | X | |
| Matrix Spike (MS) %R | Х | | | | X | |
| Matrix Spike Duplicate (MSD) %R | Х | | | | X | |
| MS/MSD Precision (RPD) | Х | | | | X | |
| Field/Lab Duplicate (RPD) | Х | | | | Х | |
| Surrogate Spike Recoveries | | Х | Х | | | |
| Column (RPD) | | Х | Х | | | |
| Dilution Factor | | Х | | Х | | |
| Moisture Content | Х | | | | Х | |
| Tier III Validation | | | | ' | | |
| Initial calibration %RSDs | | Х | | Х | | |
| Continuing calibration %Ds | | Х | Х | | | |
| System performance and column resolution | | Х | | Х | | |
| Compound identification and quantitation | | | | | | |
| A. Quantitation Reports | | Х | | Х | | |
| B. RT of sample compounds within the established RT windows | | Х | | Х | | |
| C. Pattern identification | | Х | | Х | | |
| D. Transcription/calculation errors present | | Х | | Х | | |
| Reporting limits adjusted to reflect sample dilutions | | Х | | Х | | |

Data Review Report

| PCBs; SW-846 8082 | Reported | | Performance Acceptable | | Not Required |
|-------------------|----------|-----|---------------------------|-----|-----------------|
| | No | Yes | No | Yes | rtequired |

GAS CHROMATOGRAPHY (GC/ECD)

%D – difference

Data Review Report

SAMPLE COMPLIANCE REPORT

DATA USABILITY SUMMARY REPORT

SAMPLE COMPLIANCE REPORT

| Sample | Samplin | | | | | (| Compliar | ncy ¹ | | Noncompliance |
|-------------------------|---------|----------|------------------|--------|-----|------|----------|------------------|------|--|
| Delivery Group (SDG) | g Date | Protocol | Sample ID | Matrix | voc | svoc | РСВ | MET | MISC | - Noncompliance |
| | 2/09/22 | SW-846 | B-14 (1.3 - 1.8) | Solids | | | Yes | | | PCB – CCV |
| | 2/09/22 | SW-846 | B-14 (3.8-5.8) | Solids | | | Yes | | | PCB – CCV |
| | 2/10/22 | SW-846 | B-3 (14-1.9) | Solids | | | Yes | | | PCB – increased qualitative and quantitative uncertainty |
| 480-194980-1 | 2/10/22 | SW-846 | B-3 (3.9-5.9) | Solids | | | No | | | |
| | 2/10/22 | SW-846 | B-4 (1.0-1.5) | Solids | | | Yes | | | PCB – CCV |
| 400-134300-1 | 2/10/22 | SW-846 | B-4 (3.5-5.5) | Solids | | | Yes | | | PCB – increased qualitative and quantitative uncertainty |
| | 2/10/22 | SW-846 | B-13 (1.1-1.6) | Solids | | | Yes | | | PCB – CCV, Column percent difference |
| | 2/10/22 | SW-846 | B-13 (3.6-5.6) | Solids | | | No | | | |
| | 2/10/22 | SW-846 | B-9 (1.0-1.5) | Solids | | | Yes | | | PCB – CCV, Column percent difference |
| | 2/10/22 | SW-846 | B-9 (3.5-5.5) | Solids | | | No | | | |

Note:

- Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Todd Church

SIGNATURE:

DATE: March 15, 2023

PEER REVIEW: Dennis Capria

DATE: March 23, 2023

| Chain of Custody | Corrected Samp | ole Analysis Data | Sheets |
|------------------|----------------|-------------------|--------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Environment Testing eurofins :

Phone: 716-691-2600 Fax: 716-691-7991

Amherst, NY 14228-2298

10 Hazelwood Drive

Eurofins Buffalo

- None
- Asha02
- Na2045
- Na2045
- Na2803
- Na2803
- Na2804
- TSP Dodecahydrate
Acetone
MCAA
W - pH 4-5
Z - other (specify) Special Instructions/Note: Months *HOD* Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Anulyze Anslyze × * HOD * Analyze Anelyze Andyze * CHOLLY Anilyza MUCH Preservation Codes: *HOLD L-EDA 480-194980 Chain of Custody Total Number of contain Date/Infe/122 Analysis Requested #225 Jate/Time Method of Shipment: Ind Other Remarks Special Instructions/QC Requirements: Lab PM: Schove, John R E-Mail: John. Schove@Eurofinset.com Cooler Temperature(s) e eceived by: Received by Received by PECTIDA - PEAS - Standard New York List of 21 × Field Filtered Sample (Yes or No) BT=Tissue, A=Air (Wwwater, Sesolid, Oewasta/oil, Preservation Code: Matrix Solid Company Sompany Radiological (C=comb, G=grab) Sample Type M. 16 0 0 Compliance Project: A Yes A No 135) 486-1419 Purchase Order Requested STAURE Sample Time 1410 5480 1200 11 0846 0920 1310 1311 1201 1215 1260 Unknown Date (AT Requested (days): Joshan Due Date Requested 2P/2002 2/10/2022 Sample Date Project #: 48024791 SSOW#: Jate/Time Poison B Nethonel (Srd) - Deven Avone Site Skin Irritant One Lincoln Center 110 West Fayette St, Suite 300 Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. 00 So 3-1.8 D. (3.5-5.5) (5.5-6.0) National Grid - Dewey Avenue Site Flammable (1.5 - 3.5)3.8-5. 1.0-1.5) Possible Hazard Identification 1.9-3.91 (39-59) 1.4-19 michael.jones@arcadis.com 50 Empty Kit Relinguished by: Custody Seals Intact:

Δ Yes Δ No Client Information Sample Identification 315-671-9211(Tel) ARCADIS U.S. Inc Mr. Michael Jones Non-Hazard B-14 B-14 B- 14 B.4 B-14 3.3 elinquished by: 6-3 3-4 7-0 State, Zip: NY, 13202 8-3 Syracuse

Chain of Custody Record

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-7991

| Client Information | 607 | Chuca V | V.167 | Schove, John R | くとならに必の | COC No: |
|--|--------------------------|------------|--------------------------------|--|-------------------------------|---|
| Mr. Michael Jones | Phone: CAN | 810-1019 | | E-Mail: | State of Prioring | Page: 2 2 |
| Company: ARCADIS U.S. Inc | 1 | <u>d</u> | PWSID: | | 44.CD | Page 6 of 19 |
| Address: One Lincoln Center 110 West Favette St. Suite 300 | Due Date Requested: | | | Alla | Allarysis Requested | Preservation Codes: |
| City. Syracuse | TAT Requested (days): | ä | | | | |
| State, Zip: NY, 13202 | Compliance Project: | A Yes A No | 9. | 121 | | C - Zn Acetate O - AshaO2 D - Nitro Acid P - Na2O4S |
| Phone: 315-671-9211(Tel) | Po#: Purchase Order R | Requested | | | | |
| Email: michael.jones@arcadis.com | , MO#: | | | (C | | |
| Project Name: National Grid - Dewey Avenue Site | Project #: 48024791 | | | | a.oui | J - DI Water K - EDTA L - EDA |
| Sile National Grid-Dewey Avende Sik | | | | SD (1 | 5 | Other: |
| Sample Identification | Sample Date | Sample (0 | Sample Ma Type (wm Secomp, one | Matrix Autrix Gwateol Gwater Consult Graph Gra | o sodmild les | o hedmuk itsi |
| | X | 1 | Preservation Code: | | | Special Instructions/Note: |
| B-4 (1.5-3.5) | 501012 | 1250 | Sc | > | | Andre |
| FD-020,00-07 | 2 | 1 | S | Solid | | 7. |
| 1-13 (1.1-1 | | 0945 | S | - | | Musiyee |
| 8-13 (1.10-3.6) | | 0946 | Sc | Solid | | 41/1010 x |
| 53 | | 1330 | Sc | Solid | | |
| -13 | | 1331 | Sc | Solid | | *CIOTIX |
| | | 040 | Sc | Solid | | 120 C.21 |
| (15.36 | | 1041 | S | Solid | | * 0701 |
| 7 | | 377 | Sc | Solid | | Ans. (1.2) |
| (5.5.6.9) K-Q | > | الأبار | S | Solid | | * Chilly |
| 00-141-11 | | DV | (2) | Solid | | . I |
| rossible hazard identification Non-Hazard Flammable Skin Irritant | Poison B Unknown | | Radiological | Sample Disposal (A fe | nples are re | ned longer than 1 month) |
| Deliverable Requested: I, II, III, IV, Other (specify) | | | | Special Instructions/QC Requirements | oosal By Lab | Archive For Months |
| Empty Kit Relinquished by: | Ö | Date: | | Time: | Method of Chinmont: | |
| Relinquished by: | Date/Time: | | Company | | Mediod of Shipment: Date/Time | |
| Relinquished by: | Date/Time: | | 2 | | Caro | Company |
| Rejnanished hv | | | Company | | Dataster | Company |
| | Date/Time: | | Company | ny Received by: | Date/Time: | Company |
| Custody Seals Intact: Custody Seal No.: △ Yes △ No | | | | Cooler Temperature(s) Cand Other Remarks | | |
| | | | | | | Ver. 06/08/2021 |

Eurofins Buffalo

10 Hazelwood Drive Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



eurofins:

Environment Testing America

| Client Information (Sub Contract Lab) | Sampler | | | Lab PM: Schove | | ohn R | | | | | | amer 7 | racking | No(s): | | | COC No: 480-69700.1 | | ٦ |
|---|--------------------------------|------------------|----------------------|-------------------|--------|--------------------------|----------|---------|----------|--------|----------|---------------------|----------|----------|-----------|--------------|-------------------------|------------------------------------|------|
| Client Contact: | Phone: | | | E-Mail: | | | | | | | | tate of | | | | | Page: | | 1 |
| Shipping/Receiving | | | | John S | | | | _ | | | ! | lew Y | ork | | | | Page 1 of 1 | | 4 |
| Company: Eurofins Lancaster Laboratories Env., LLC | | | | | | | s Requi | | e note): | | | | | | | | Job # 480-194980-1 | | |
| Address: | Due Date Requeste | d: | | | | | | | | | | | | | | | Preservation Code | s: | ٦ |
| 2425 New Holland Pike, . City: | 2/24/2022 TAT Requested (da | ue le | | | - | | 1 1 | | Anal | /SIS | Requ | jeste | d | 1 1 | | 1= | | M - Hexane | 1 |
| Lancaster | IN I Keduested (us | y = į. | | - 0 | | No. | | | | | | | | | | 摄 | | N - None O - AsNaO2 | 1 |
| State, Zip: | | | | - 1 | i d | Pag | | | | | | | 1 | | Ш | | | P - Na2O4S Q - Na2SO3 | |
| PA, 17601 Phone: | PO#: | | | | | Standard | | | | | | | | | | 3 | F - MeOH | R - Na2S2O3 | 1 |
| 717-656-2300(Tel) | | | | | (ox | 18-8 | | | | | | | | | | | | S - H2SO4 T - TSP Dodecahydrate | ı |
| Email | wo# | | | 2 | 5 6 | PF | | | | | 1 | | | | | | | U - Acetone V - MCAA | |
| Project Name: | Project #: | | | | | 1 | | | | | | - 10 | | | | nen | K - EDTA | W - pH 4-5 Z - other (specify) | |
| National Grid - Dewey Avenue Site | 48024791 | | | | 9 S | Bath | 1 1 | | - 1 | | | | | | | containe | | Z - onler (specify) | |
| Site: | SSOW#. | | | i i | | PFC_IDA_NY/Shake_Bath_14 | | | | | | | | | | 00 00 | Other: | | |
| - | | | 1 44-4 | -1 | S Da | //Sh | . | | | | | | | | | | | | ┪ |
| | | | Sample Mat | 19 | Z Z | Ž | 5 | | | | | | | | | Total Number | | | |
| | | Sample | (C=Comp, O=west | ad. | a la | 9 | | | | | | | | | | I S | | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Time | G=grab) BT=Thesas | A-Air) | | L E | 2 | | | | | _ | | | | ٩ | Special Ins | tructions/Note: | |
| | | <u>><</u> | Preservation Co | ide: | Ψ | 4 | | 135 | 3 1/2 | | | 3 | 10 | 100 | | X | | 100 | |
| B-14 (3.8-5.8) (480-194980-3) | 2/9/22 | 14:10 Eastern | So | lid | | X | | | | | | | | | | 1 | | | |
| B-4 (1.5-3.5) (480-194980-12) | 2/10/22 | 09:21 Eastern | So | lid | | х | | | | | | | | | | 1 | | | |
| FD-02102022 (480-194980-13) | 2/10/22 | Eastern | So | lid | T | × | | | | | | | | | | 1 | | | |
| B-13 (3.6-5.6) (480-194980-16) | 2/10/22 | 13:30 Eastern | So | lid | | х | | | | | | | | | | 1 | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | T | | | | | | | | | | | 1 | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Note: Since laboratory accreditations are subject to change, Eurofins Environme | nt Testing Northeast, I | LC places the | ownership of method, | analyte & | accr | reditati | on com | pliance | upon ou | subco | ntract l | sborato | ries. Ti | his sam | ple shipm | ent is f | forwarded under chain-o | of-custody. If the labora | tory |
| does not currently maintain accreditation in the State of Origin listed above for a status should be brought to Eurofins Environment Testing Northeast, LLC attent | | | | | | | | | | | | | | | | | | | |
| Possible Hazard Identification | | | | | S | Samp | le Dis | posal | (A fee | may | be a | ssess | ed if s | sample | es are r | etain | ed longer than 1 | month) | _ |
| Unconfirmed | | | | | | | Retur | To C | lient | | | ispos | al By I | Lab | | Arc. | hive For | Months | |
| Deliverable Requested: I, II, III, IV, Other (specify) | Primary Deliver | able Rank: | 4 | | s | pecia | al Instr | uction | s/QC F | Requir | | | | | | | | | |
| Empty Kit Relinquished by: | | Date: | | Ī | Time | e | _ | _ | | | | N | ethod: | of Shipm | nent. | | | | _ |
| Relinquished by: | Date/Time | -1221 | Too Compar | υy Λ | | Re | ceived t | by: | - | | | $\overrightarrow{}$ | | Date | /Time: | | | Company | |
| Relinquished by: | Date/Time: | ((| Сопре | 19 | | Re | ceived t | Dy: | | _ | | | | Date | /Time: | | | Company | |
| Relinquished by | Date/Time: | | Compa | тy | | Re | ceived t | by: | | | | | | Date | ATTIME! | 1- | 1/02 | Company 6 | _ |
| Custody Seals Intact: Custody Seal No.: | | | | | - | Co | oler Ter | nperatu | (s) °C | and Ot | her Re | marks: | 0 | | -/15 | 4 | 22 1/07 | THE . | |
| Δ Yes) Δ No | | | | | | | | | | | | | 3 | .7 | | 1 | | | |

Definitions/Glossary

Client: ARCADIS U.S. Inc Job ID: 480-194980-1

Project/Site: National Grid - Dewey Avenue Site

Qualifiers

GC/MS Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

S1+ Surrogate recovery exceeds control limits, high biased.
U Indicates the analyte was analyzed for but not detected.

LCMS

| Qualifier | Qualifier Description |
|-----------|-----------------------|
| | |

*5+ Isotope dilution analyte is outside acceptance limits, high biased.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|--|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |

CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Client: ARCADIS U.S. Inc Job ID: 480-194980-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-14 (1.3 - 1.8)

2-Fluorobiphenyl (Surr)

Lab Sample ID: 480-194980-1 Date Collected: 02/09/22 12:00 **Matrix: Solid** Date Received: 02/11/22 10:45 Percent Solids: 85.7

| Analyte | Result | Qual | lifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|------|----------|----------|------|-------|--------------|----------------|----------------|---------|
| PCB-1016 | 1.3 | U | J | 1.3 | 0.25 | mg/Kg | * | 02/16/22 07:10 | 02/17/22 15:12 | 5 |
| PCB-1221 | 1.3 | U | | 1.3 | 0.25 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:12 | 5 |
| PCB-1232 | 1.3 | U | | 1.3 | 0.25 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:12 | 5 |
| PCB-1242 | 1.3 | U | | 1.3 | 0.25 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:12 | 5 |
| PCB-1248 | 13 | | | 1.3 | 0.25 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:12 | 5 |
| PCB-1254 | 1.3 | U | | 1.3 | 0.59 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:12 | 5 |
| PCB-1260 | 1.3 | U | V | 1.3 | 0.59 | mg/Kg | ₩ | 02/16/22 07:10 | 02/17/22 15:12 | 5 |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 112 | | | 65 - 174 | | | | 02/16/22 07:10 | 02/17/22 15:12 | 5 |
| DCB Decachlorobiphenyl | 120 | | | 65 - 174 | | | | 02/16/22 07:10 | 02/17/22 15:12 | 5 |
| Tetrachloro-m-xylene | 101 | | | 60 - 154 | | | | 02/16/22 07:10 | 02/17/22 15:12 | 5 |
| Tetrachloro-m-xylene | 117 | | | 60 - 154 | | | | 02/16/22 07:10 | 02/17/22 15:12 | 5 |

Client Sample ID: B-14 (3.8-5.8) Lab Sample ID: 480-194980-3

Date Collected: 02/09/22 14:10 **Matrix: Solid** Date Received: 02/11/22 10:45 Percent Solids: 82.7

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| 1,4-Dioxane | 120 | U | 120 | 65 | ug/Kg | ☼ | 02/15/22 08:27 | 02/16/22 20:02 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 96 | | 54 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:02 | 1 |
| 2-Fluorophenol (Surr) | 74 | | 52 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:02 | 1 |
| p-Terphenyl-d14 (Surr) | 114 | | 79 - 130 | | | | 02/15/22 08:27 | 02/16/22 20:02 | 1 |
| Phenol-d5 (Surr) | 74 | | 54 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:02 | 1 |
| Nitrobenzene-d5 (Surr) | 84 | | 53 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:02 | 1 |

60 - 120

101

| Method: 8082A - Polychlorin | ated Bipheny | Is (PCBs) by | y Gas Chro | matogra | aphy | | | | |
|-----------------------------|--------------|--------------|------------|---------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 2.8 | U J | 2.8 | 0.55 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:25 | 10 |
| PCB-1221 | 2.8 | U | 2.8 | 0.55 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:25 | 10 |
| PCB-1232 | 2.8 | U | 2.8 | 0.55 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:25 | 10 |
| PCB-1242 | 29 | | 2.8 | 0.55 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:25 | 10 |
| PCB-1248 | 2.8 | U | 2.8 | 0.55 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:25 | 10 |
| PCB-1254 | 2.8 | U | 2.8 | 1.3 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:25 | 10 |
| PCB-1260 | 2.8 | U | 2.8 | 1.3 | mg/Kg | ₽ | 02/16/22 07:10 | 02/17/22 15:25 | 10 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|---------------------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 159 | | 65 - 174 | 02/16/22 07:10 | 02/17/22 15:25 | 10 |
| DCB Decachlorobiphenyl | 163 | | 65 - 174 | 02/16/22 07:10 | 02/17/22 15:25 | 10 |
| Tetrachloro-m-xylene | 137 | | 60 ₋ 154 | 02/16/22 07:10 | 02/17/22 15:25 | 10 |
| Tetrachloro-m-xylene | 158 | S1+ | 60 - 154 | 02/16/22 07:10 | 02/17/22 15:25 | 10 |

| Method: 537 (Modified) - Flu | orinated Alky | I Substance | es | | | | | | |
|------------------------------|---------------|-------------|------|-------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Perfluorohexanoic acid | 0.24 | U | 0.24 | 0.023 | ng/g | ☆ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluoroheptanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ☆ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorooctanoic acid | 0.24 | U | 0.24 | 0.027 | ng/g | ≎ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |

Eurofins Buffalo

02/15/22 08:27 02/16/22 20:02

Client: ARCADIS U.S. Inc Job ID: 480-194980-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-14 (3.8-5.8)

Lab Sample ID: 480-194980-3

 Date Collected: 02/09/22 14:10
 Matrix: Solid

 Date Received: 02/11/22 10:45
 Percent Solids: 82.7

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Perfluorononanoic acid | 0.24 | U | 0.24 | 0.028 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorodecanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorotridecanoic acid | 0.24 | U | 0.24 | 0.025 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorotetradecanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorobutanesulfonic acid | 0.48 | U | 0.48 | 0.44 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorohexanesulfonic acid | 0.24 | U | 0.24 | 0.023 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorooctanesulfonic acid | 0.12 | J | 0.24 | 0.042 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| NEtFOSAA | 0.035 | J | 0.24 | 0.027 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| NMeFOSAA | 0.24 | U | 0.24 | 0.037 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluoroheptanesulfonic acid | 0.24 | U | 0.24 | 0.024 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorodecanesulfonic acid | 0.24 | U | 0.24 | 0.025 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorooctanesulfonamide | 0.24 | U | 0.24 | 0.025 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorobutanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluoroundecanoic acid | 0.24 | U | 0.24 | 0.068 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluorododecanoic acid | 0.24 | U | 0.24 | 0.028 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 1.0 | | 0.24 | 0.059 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.24 | U | 0.24 | 0.021 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Perfluoropentanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 179 | | 15 - 200 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| M2-6:2 FTS | 167 | | 10 - 200 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C5 PFHxA | 86 | | 10 - 174 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C4 PFHpA | 86 | | 10 - 178 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C8 PFOA | 87 | | 26 - 159 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C9 PFNA | 110 | | 26 - 165 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C6 PFDA | 99 | | 26 - 161 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C7 PFUnA | 98 | | 12 - 173 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C2-PFDoDA | 87 | | 11 - 166 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C2 PFTeDA | 89 | | 10 - 169 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C3 PFBS | 106 | | 27 - 179 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C3 PFHxS | 94 | | 24 - 171 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C8 PFOS | 103 | | 41 - 154 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| d3-NMeFOSAA | 76 | | 10 - 178 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| d5-NEtFOSAA | 88 | | 10 - 193 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| 13C8 FOSA | 65 | | 14 - 163 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |
| | | | | | | | | | |
| 13C4 PFBA | 95 | | 28 - 153 | | | | 02/21/22 07:37 | 02/24/22 01:13 | 1 |

Client Sample ID: B-3 (1-.4-1.9)

 Date Collected: 02/10/22 08:45
 Matrix: Solid

 Date Received: 02/11/22 10:45
 Percent Solids: 82.4

| Method: 8082A - Polychl | orinated Bipheny | ıls (PCBs) b | y Gas Chro | matogr | aphy | | | | |
|-------------------------|------------------|--------------|------------|--------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:52 | 1 |
| PCB-1221 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:52 | 1 |
| PCB-1232 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:52 | 1 |
| PCB-1242 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:52 | 1 |
| PCB-1248 | 9.0 | | 0.27 | 0.053 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:52 | 1 |
| PCB-1254 | 0.27 | U | 0.27 | 0.13 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:52 | 1 |

Eurofins Buffalo

Lab Sample ID: 480-194980-5

Client: ARCADIS U.S. Inc Job ID: 480-194980-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-3 (1-.4-1.9)

Surrogato

Tetrachloro-m-xylene

Tetrachloro-m-xylene

Lab Sample ID: 480-194980-5 Date Collected: 02/10/22 08:45 **Matrix: Solid** Date Received: 02/11/22 10:45 Percent Solids: 82.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| PCB-1260 | 0.27 | U | 0.27 | 0.13 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:52 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 77 | | 65 - 174 | | | | 02/16/22 07:10 | 02/16/22 22:52 | 1 |
| DCB Decachlorobiphenyl | 90 | | 65 - 174 | | | | 02/16/22 07:10 | 02/16/22 22:52 | 1 |
| Tetrachloro-m-xylene | 82 | | 60 - 154 | | | | 02/16/22 07:10 | 02/16/22 22:52 | 1 |
| Tetrachloro-m-xylene | 96 | | 60 - 154 | | | | 02/16/22 07:10 | 02/16/22 22:52 | 1 |

Lab Sample ID: 480-194980-7 **Client Sample ID: B-3 (3.9-5.9)**

Date Collected: 02/10/22 12:15 **Matrix: Solid** Date Received: 02/11/22 10:45 Percent Solids: 92.1

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | 0.21 | U | 0.21 | 0.042 | mg/Kg | ☼ | 02/16/22 07:10 | 02/16/22 22:12 | 1 |
| PCB-1221 | 0.21 | U | 0.21 | 0.042 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:12 | 1 |
| PCB-1232 | 0.21 | U | 0.21 | 0.042 | mg/Kg | ☼ | 02/16/22 07:10 | 02/16/22 22:12 | 1 |
| PCB-1242 | 0.13 | J | 0.21 | 0.042 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:12 | 1 |
| PCB-1248 | 0.21 | U | 0.21 | 0.042 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:12 | 1 |
| PCB-1254 | 0.21 | U | 0.21 | 0.10 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:12 | 1 |
| PCB-1260 | 0.21 | U | 0.21 | 0.10 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 22:12 | 1 |

| н | Surrogate | /orvecovery | Qualifiei | LIIIIIG | riepaieu | Allalyzeu | Dii i ac |
|---|------------------------|-------------|-----------|----------|----------------|----------------|----------|
| ۱ | DCB Decachlorobiphenyl | 78 | | 65 - 174 | 02/16/22 07:10 | 02/16/22 22:12 | 1 |
| ١ | DCB Decachlorobiphenyl | 90 | | 65 - 174 | 02/16/22 07:10 | 02/16/22 22:12 | 1 |
| ١ | Tetrachloro-m-xylene | 83 | | 60 - 154 | 02/16/22 07:10 | 02/16/22 22:12 | 1 |
| ١ | Tetrachloro-m-xylene | 92 | | 60 - 154 | 02/16/22 07:10 | 02/16/22 22:12 | 1 |

Limite

%Recovery Qualifier

113

131

Client Sample ID: B-4 (1.0-1.5) Lab Sample ID: 480-194980-8

Date Collected: 02/10/22 09:20 **Matrix: Solid** Date Received: 02/11/22 10:45 Percent Solids: 84.0

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| PCB-1016 | 1.1 | UJ | 1.1 | 0.22 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:38 | 5 |
| PCB-1221 | 1.1 | U | 1.1 | 0.22 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:38 | 5 |
| PCB-1232 | 1.1 | U | 1.1 | 0.22 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:38 | 5 |
| PCB-1242 | 14 | | 1.1 | 0.22 | mg/Kg | ₽ | 02/16/22 07:10 | 02/17/22 15:38 | 5 |
| PCB-1248 | 1.1 | U | 1.1 | 0.22 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:38 | 5 |
| PCB-1254 | 1.1 | U | 1.1 | 0.53 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:38 | 5 |
| PCB-1260 | 1.1 | U 🗸 | 1.1 | 0.53 | mg/Kg | ₩ | 02/16/22 07:10 | 02/17/22 15:38 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 125 | | 65 - 174 | | | | 02/16/22 07:10 | 02/17/22 15:38 | 5 |
| DCB Decachlorobiphenyl | 134 | | 65 - 174 | | | | 02/16/22 07:10 | 02/17/22 15:38 | 5 |

60 - 154

60 - 154

02/16/22 07:10 02/17/22 15:38

02/16/22 07:10 02/17/22 15:38

Propared

Analyzod

Dil Esc

Client: ARCADIS U.S. Inc Job ID: 480-194980-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-4 (3.5-5.5)

Lab Sample ID: 480-194980-10 Date Collected: 02/10/22 13:10 **Matrix: Solid** Date Received: 02/11/22 10:45 Percent Solids: 79.9

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | 0.25 | U | 0.25 | 0.049 | mg/Kg | ☼ | 02/16/22 07:10 | 02/16/22 23:18 | 1 |
| PCB-1221 | 0.25 | U | 0.25 | 0.049 | mg/Kg | ☼ | 02/16/22 07:10 | 02/16/22 23:18 | 1 |
| PCB-1232 | 0.25 | U | 0.25 | 0.049 | mg/Kg | ☼ | 02/16/22 07:10 | 02/16/22 23:18 | 1 |
| PCB-1242 | 0.66 | | 0.25 | 0.049 | mg/Kg | ☼ | 02/16/22 07:10 | 02/16/22 23:18 | 1 |
| PCB-1248 | 0.25 | U | 0.25 | 0.049 | mg/Kg | ☼ | 02/16/22 07:10 | 02/16/22 23:18 | 1 |
| PCB-1254 | 0.25 | U | 0.25 | 0.12 | mg/Kg | ☼ | 02/16/22 07:10 | 02/16/22 23:18 | 1 |
| PCB-1260 | 0.25 | U | 0.25 | 0.12 | mg/Kg | ₩ | 02/16/22 07:10 | 02/16/22 23:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 75 | | 65 - 174 | | | | 02/16/22 07:10 | 02/16/22 23:18 | 1 |
| DCB Decachlorobiphenyl | 87 | | 65 - 174 | | | | 02/16/22 07:10 | 02/16/22 23:18 | 1 |
| Tetrachloro-m-xylene | 79 | | 60 - 154 | | | | 02/16/22 07:10 | 02/16/22 23:18 | 1 |
| Tetrachloro-m-xylene | 92 | | 60 - 154 | | | | 02/16/22 07:10 | 02/16/22 23:18 | 1 |

Client Sample ID: B-4 (1.5-3.5) Lab Sample ID: 480-194980-12 Date Collected: 02/10/22 09:21 **Matrix: Solid**

Date Received: 02/11/22 10:45 Percent Solids: 76.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| 1,4-Dioxane | 640 | U | 640 | 350 | ug/Kg | ☼ | 02/15/22 08:27 | 02/16/22 20:26 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 95 | | 54 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:26 | 5 |
| 2-Fluorophenol (Surr) | 84 | | 52 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:26 | 5 |
| p-Terphenyl-d14 (Surr) | 106 | | 79 - 130 | | | | 02/15/22 08:27 | 02/16/22 20:26 | 5 |
| Phenol-d5 (Surr) | 91 | | 54 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:26 | 5 |
| Nitrobenzene-d5 (Surr) | 95 | | 53 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:26 | 5 |
| 2-Fluorobiphenyl (Surr) | 100 | | 60 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:26 | 5 |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|------|-------|------|--------------|----------------|----------------|---------|
| Perfluorohexanoic acid | 0.26 | U | 0.26 | 0.025 | ng/g | * | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluoroheptanoic acid | 0.26 | U | 0.26 | 0.031 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorooctanoic acid | 0.26 | U | 0.26 | 0.028 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorononanoic acid | 0.26 | U | 0.26 | 0.030 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorodecanoic acid | 0.26 | U | 0.26 | 0.031 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorotridecanoic acid | 0.26 | U | 0.26 | 0.027 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorotetradecanoic acid | 0.26 | U | 0.26 | 0.031 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorobutanesulfonic acid | 0.52 | U | 0.52 | 0.47 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorohexanesulfonic acid | 0.26 | U | 0.26 | 0.025 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorooctanesulfonic acid | 0.057 | J | 0.26 | 0.045 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| NEtFOSAA | 0.036 | J | 0.26 | 0.028 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| NMeFOSAA | 0.26 | U | 0.26 | 0.040 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluoroheptanesulfonic acid | 0.26 | U | 0.26 | 0.026 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorodecanesulfonic acid | 0.26 | U | 0.26 | 0.027 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorooctanesulfonamide | 0.26 | U | 0.26 | 0.027 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorobutanoic acid | 0.26 | U | 0.26 | 0.031 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluoroundecanoic acid | 0.26 | U | 0.26 | 0.072 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluorododecanoic acid | 0.26 | U | 0.26 | 0.030 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.39 | | 0.26 | 0.063 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |

Client: ARCADIS U.S. Inc Job ID: 480-194980-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-4 (1.5-3.5)

Lab Sample ID: 480-194980-12

 Date Collected: 02/10/22 09:21
 Matrix: Solid

 Date Received: 02/11/22 10:45
 Percent Solids: 76.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-------|------|--------------|----------------|----------------|---------|
| 8:2 Fluorotelomer sulfonic acid | 0.26 | U | 0.26 | 0.022 | ng/g | - | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Perfluoropentanoic acid | 0.26 | U | 0.26 | 0.031 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 159 | | 15 - 200 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| M2-6:2 FTS | 140 | | 10 - 200 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C5 PFHxA | 79 | | 10 - 174 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C4 PFHpA | 84 | | 10 - 178 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C8 PFOA | 84 | | 26 - 159 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C9 PFNA | 96 | | 26 - 165 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C6 PFDA | 91 | | 26 - 161 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C7 PFUnA | 92 | | 12 - 173 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C2-PFDoDA | 87 | | 11 - 166 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C2 PFTeDA | 86 | | 10 - 169 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C3 PFBS | 99 | | 27 - 179 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C3 PFHxS | 91 | | 24 - 171 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C8 PFOS | 91 | | 41 - 154 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| d3-NMeFOSAA | 80 | | 10 - 178 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| d5-NEtFOSAA | 94 | | 10 - 193 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C8 FOSA | 37 | | 14 - 163 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C4 PFBA | 89 | | 28 - 153 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |
| 13C5 PFPeA | 92 | | 24 - 161 | | | | 02/21/22 07:37 | 02/24/22 01:24 | 1 |

Client Sample ID: FD-02102022

Date Collected: 02/10/22 00:00

Matrix: Solid

Date Received: 02/11/22 10:45

Lab Sample ID: 480-194980-13

Matrix: Solid

Percent Solids: 56.9

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| 1,4-Dioxane | 870 | U | 870 | 480 | ug/Kg | ☆ | 02/15/22 08:27 | 02/16/22 20:50 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 84 | | 54 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:50 | 5 |
| 2-Fluorophenol (Surr) | 74 | | 52 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:50 | 5 |
| p-Terphenyl-d14 (Surr) | 107 | | 79 - 130 | | | | 02/15/22 08:27 | 02/16/22 20:50 | 5 |
| Phenol-d5 (Surr) | 81 | | 54 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:50 | 5 |
| Nitrobenzene-d5 (Surr) | 87 | | 53 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:50 | 5 |
| 2-Fluorobiphenyl (Surr) | 95 | | 60 - 120 | | | | 02/15/22 08:27 | 02/16/22 20:50 | 5 |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|------|-------|------|-------------|----------------|----------------|---------|
| Perfluorohexanoic acid | 0.35 | U | 0.35 | 0.033 | ng/g | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluoroheptanoic acid | 0.35 | U | 0.35 | 0.042 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorooctanoic acid | 0.35 | U | 0.35 | 0.038 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorononanoic acid | 0.35 | U | 0.35 | 0.040 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorodecanoic acid | 0.35 | U | 0.35 | 0.042 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorotridecanoic acid | 0.35 | U | 0.35 | 0.037 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorotetradecanoic acid | 0.35 | U | 0.35 | 0.042 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorobutanesulfonic acid | 0.70 | U | 0.70 | 0.63 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorohexanesulfonic acid | 0.35 | U | 0.35 | 0.033 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorooctanesulfonic acid | 0.065 | J | 0.35 | 0.061 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |

Client: ARCADIS U.S. Inc Job ID: 480-194980-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: FD-02102022

Lab Sample ID: 480-194980-13 Date Collected: 02/10/22 00:00 **Matrix: Solid** Date Received: 02/11/22 10:45 Percent Solids: 56.9

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-------|------|-------------|----------------|----------------|---------|
| NEtFOSAA | 0.047 | J | 0.35 | 0.038 | ng/g | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| NMeFOSAA | 0.35 | U | 0.35 | 0.054 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluoroheptanesulfonic acid | 0.35 | U | 0.35 | 0.035 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorodecanesulfonic acid | 0.35 | U | 0.35 | 0.037 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorooctanesulfonamide | 0.35 | U | 0.35 | 0.037 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorobutanoic acid | 0.35 | U | 0.35 | 0.042 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluoroundecanoic acid | 0.35 | U | 0.35 | 0.098 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluorododecanoic acid | 0.35 | U | 0.35 | 0.040 | ng/g | ₽ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.35 | U | 0.35 | 0.086 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.35 | U | 0.35 | 0.030 | ng/g | ☼ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Perfluoropentanoic acid | 0.35 | U | 0.35 | 0.042 | ng/g | ₩ | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 175 | | 15 - 200 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| M2-6:2 FTS | 143 | | 10 - 200 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C5 PFHxA | 82 | | 10 - 174 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C4 PFHpA | 86 | | 10 - 178 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C8 PFOA | 85 | | 26 - 159 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C9 PFNA | 101 | | 26 - 165 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C6 PFDA | 99 | | 26 - 161 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C7 PFUnA | 94 | | 12 - 173 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C2-PFDoDA | 92 | | 11 - 166 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C2 PFTeDA | 91 | | 10 - 169 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C3 PFBS | 101 | | 27 - 179 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C3 PFHxS | 96 | | 24 - 171 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C8 PFOS | 93 | | 41 - 154 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| d3-NMeFOSAA | 79 | | 10 - 178 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| d5-NEtFOSAA | 96 | | 10 - 193 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C8 FOSA | 40 | | 14 - 163 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C4 PFBA | 91 | | 28 - 153 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |
| 13C5 PFPeA | 94 | | 24 - 161 | | | | 02/21/22 07:37 | 02/24/22 01:35 | 1 |

Lab Sample ID: 480-194980-14 **Client Sample ID: B-13 (1.1-1.6)**

Date Collected: 02/10/22 09:45 **Matrix: Solid** Date Received: 02/11/22 10:45 **Percent Solids: 80.2**

| Analyte | Result | Qua | lifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----|--------------|---------------------|------|-------|---|----------------|----------------|---------|
| PCB-1016 | 2.4 | U | J | 2.4 | 0.47 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:51 | 10 |
| PCB-1221 | 2.4 | U | 1 | 2.4 | 0.47 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:51 | 10 |
| PCB-1232 | 2.4 | U | | 2.4 | 0.47 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:51 | 10 |
| PCB-1242 | 1.9 | J | | 2.4 | 0.47 | mg/Kg | ₽ | 02/16/22 07:10 | 02/17/22 15:51 | 10 |
| PCB-1248 | 2.4 | U | | 2.4 | 0.47 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:51 | 10 |
| PCB-1254 | 2.4 | U | | 2.4 | 1.1 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 15:51 | 10 |
| PCB-1260 | 34 | | \downarrow | 2.4 | 1.1 | mg/Kg | ₩ | 02/16/22 07:10 | 02/17/22 15:51 | 10 |
| Surrogate | %Recovery | Qua | lifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 145 | | | 65 - 174 | | | | 02/16/22 07:10 | 02/17/22 15:51 | 10 |
| DCB Decachlorobiphenyl | 163 | | | 65 - 174 | | | | 02/16/22 07:10 | 02/17/22 15:51 | 10 |
| Tetrachloro-m-xylene | 130 | | | 60 - 154 | | | | 02/16/22 07:10 | 02/17/22 15:51 | 10 |
| Tetrachloro-m-xylene | 150 | | | 60 ₋ 154 | | | | 02/16/22 07:10 | 02/17/22 15:51 | 10 |

Client: ARCADIS U.S. Inc Job ID: 480-194980-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-13 (3.6-5.6)

Lab Sample ID: 480-194980-16 Date Collected: 02/10/22 13:30 **Matrix: Solid**

| | ile Organic Co | mpounds | (GC/MS) | | | | | | |
|--|--|---|--|---|--|---|--|--|---|
| Analyte | | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,4-Dioxane | 120 | U | 120 | 68 | ug/Kg | ₽ | 02/15/22 08:27 | 02/16/22 21:13 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
| 2,4,6-Tribromophenol (Surr) | 89 | | 54 - 120 | | | | 02/15/22 08:27 | 02/16/22 21:13 | |
| 2-Fluorophenol (Surr) | 79 | | 52 - 120 | | | | 02/15/22 08:27 | 02/16/22 21:13 | 1 |
| p-Terphenyl-d14 (Surr) | 119 | | 79 - 130 | | | | 02/15/22 08:27 | 02/16/22 21:13 | 1 |
| Phenol-d5 (Surr) | 84 | | 54 - 120 | | | | 02/15/22 08:27 | 02/16/22 21:13 | 1 |
| Nitrobenzene-d5 (Surr) | 87 | | 53 - 120 | | | | 02/15/22 08:27 | 02/16/22 21:13 | 1 |
| 2-Fluorobiphenyl (Surr) | 102 | | 60 - 120 | | | | 02/15/22 08:27 | 02/16/22 21:13 | 1 |
| Method: 8082A - Polychlori | nated Bipheny | /Is (PCBs) | by Gas Chro | matogr | aphv | | | | |
| Analyte | | Qualifier | RL | _ | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.24 | \overline{U} | 0.24 | 0.046 | mg/Kg | — <u></u> | 02/16/22 07:10 | 02/17/22 00:11 | 1 |
| PCB-1221 | 0.24 | U | 0.24 | | mg/Kg | ₽ | 02/16/22 07:10 | 02/17/22 00:11 | 1 |
| PCB-1232 | 0.24 | U | 0.24 | 0.046 | mg/Kg | ₽ | 02/16/22 07:10 | 02/17/22 00:11 | 1 |
| PCB-1242 | 0.24 | | 0.24 | | mg/Kg | | 02/16/22 07:10 | 02/17/22 00:11 | 1 |
| PCB-1248 | 0.24 | U | 0.24 | | mg/Kg | ₩ | 02/16/22 07:10 | 02/17/22 00:11 | 1 |
| PCB-1254 | 0.24 | U | 0.24 | | mg/Kg | ₩ | 02/16/22 07:10 | 02/17/22 00:11 | 1 |
| PCB-1260 | 0.16 | J | 0.24 | | mg/Kg | ₩ | 02/16/22 07:10 | 02/17/22 00:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 75 | | 65 - 174 | | | | 02/16/22 07:10 | - | 1 |
| DCB Decachlorobiphenyl | 84 | | 65 - 174 | | | | 02/16/22 07:10 | | 1 |
| Tetrachloro-m-xylene | 77 | | 60 - 154 | | | | 02/16/22 07:10 | | 1 |
| Tetrachloro-m-xylene | 91 | | 60 - 154 | | | | | 02/17/22 00:11 | |
| | | | | | | | | | |
| Mothod: E27 (Modified) Ele | uorinated Alla | d Substan | 000 | | | | | | |
| Method: 537 (Modified) - Flo Analyte | • | I Substand Qualifier | ces RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte | • | Qualifier | | MDL 0.024 | | <u>D</u> | Prepared 02/21/22 07:37 | Analyzed 02/24/22 01:46 | |
| • | Result | Qualifier U | RL | | ng/g | | 02/21/22 07:37 | | Dil Fac |
| Analyte Perfluorohexanoic acid | | Qualifier U U | RL 0.25 | 0.024 0.030 | ng/g ng/g | | 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 | 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid | 0.25 0.25 | Qualifier U U U | 0.25 0.25 | 0.024 | ng/g ng/g ng/g | — <u> </u> | 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 | 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid | Result 0.25 0.25 0.25 | Qualifier U U U U | RL 0.25 0.25 0.25 | 0.024 0.030 0.028 | ng/g ng/g ng/g ng/g | — <u> </u> | 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 | 1 1 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid | Result 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U | RL 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 | ng/g ng/g ng/g ng/g | # # # # # | 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 | 1 1 1 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorodecanoic acid Perfluorotridecanoic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 | ng/g ng/g ng/g ng/g ng/g ng/g | # # # # # | 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 | 1 1 1 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorodecanoic acid | Result 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 | ng/g ng/g ng/g ng/g ng/g ng/g | ************************************** | 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 | 1 1 1 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluoroctanoic acid Perfluorononanoic acid Perfluorodecanoic acid Perfluorotridecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g | ************************************** | 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 | 1 1 1 1 1 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorodecanoic acid Perfluorotridecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorohexanesulfonic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.51 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | - ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ † † † † | 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 | 1 1 1 1 1 1 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorodecanoic acid Perfluorotridecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorohexanesulfonic acid Perfluorooctanesulfonic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.51 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | - ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ † † † † | 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 | 1 1 1 1 1 1 1 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorodecanoic acid Perfluorotridecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorohexanesulfonic acid Perfluorooctanesulfonic acid NetFOSAA | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.51 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 0.044 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | * * * * * * * * * * * * * * * * * * * | 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 02/24/22 01:46 | 1 1 1 1 1 1 1 1 1 1 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorodecanoic acid Perfluorotridecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorohexanesulfonic acid Perfluorooctanesulfonic acid NEtFOSAA NMeFOSAA | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.51 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 0.044 0.028 0.039 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | | 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 | 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorotridecanoic acid Perfluorotetradecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorobutanesulfonic acid Perfluorooctanesulfonic acid Perfluorooctanesulfonic acid Perfluorooctanesulfonic acid NEtFOSAA NMeFOSAA Perfluoroheptanesulfonic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.51 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 0.044 0.028 0.039 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | * * * * * * * * * * * * * * * * * * * | 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 | 1 |
| Analyte Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorodecanoic acid Perfluorotridecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorohexanesulfonic acid Perfluorooctanesulfonic acid Perfluorooctanesulfonic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 0.044 0.028 0.039 0.025 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | | 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 | 1 |
| Perfluorohexanoic acid Perfluoroheptanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorotecanoic acid Perfluorotetradecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorobexanesulfonic acid Perfluorooctanesulfonic acid Perfluorooctanesulfonic acid Perfluorohexanesulfonic acid Perfluoroheptanesulfonic acid Perfluoroheptanesulfonic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 0.044 0.028 0.039 0.025 0.027 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | | 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 | 1 |
| Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorodecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorobexanesulfonic acid Perfluoroctanesulfonic acid Perfluoroctanesulfonic acid Perfluoroctanesulfonic acid Perfluoroctanesulfonic acid Perfluoroheptanesulfonic acid Perfluoroheptanesulfonic acid Perfluorodecanesulfonic acid Perfluorodecanesulfonic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.2 | Qualifier U U U U U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 0.044 0.028 0.039 0.025 0.027 0.027 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | | 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 | 1 |
| Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorodecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorobexanesulfonic acid Perfluoroctanesulfonic acid Perfluoroctanesulfonic acid Perfluorobexanesulfonic acid Perfluorobexanesulfonic acid Perfluoroheptanesulfonic acid Perfluoroheptanesulfonic acid Perfluorodecanesulfonic acid Perfluorodecanesulfonic acid Perfluorooctanesulfonic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 0.044 0.028 0.039 0.025 0.027 0.030 0.071 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | | 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 | 1 |
| Perfluorohexanoic acid Perfluoroheptanoic acid Perfluoroheptanoic acid Perfluoronoctanoic acid Perfluorononanoic acid Perfluorotridecanoic acid Perfluorotetradecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorobutanesulfonic acid Perfluorohexanesulfonic acid Perfluoroctanesulfonic acid Perfluoroctanesulfonic acid Perfluoroheptanesulfonic acid Perfluoroheptanesulfonic acid Perfluoroctanesulfonic acid Perfluoroctanesulfonamide Perfluorobutanoic acid Perfluorobutanoic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.2 | Qualifier U U U U U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 0.044 0.028 0.039 0.025 0.027 0.030 0.071 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | | 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 | 1 |
| Perfluorohexanoic acid Perfluoroheptanoic acid Perfluorooctanoic acid Perfluorononanoic acid Perfluorodecanoic acid Perfluorotetradecanoic acid Perfluorobutanesulfonic acid Perfluorobexanesulfonic acid Perfluoroctanesulfonic acid Perfluoroctanesulfonic acid Perfluorobexanesulfonic acid Perfluorobexanesulfonic acid Perfluoroheptanesulfonic acid Perfluoroheptanesulfonic acid Perfluorodecanesulfonic acid Perfluorodecanesulfonic acid Perfluorooctanesulfonic acid | Result 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | Qualifier U U U U U U U U U U U U U U U U U U U | RL 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | 0.024 0.030 0.028 0.029 0.030 0.027 0.030 0.46 0.024 0.044 0.028 0.039 0.025 0.027 0.030 0.071 | ng/g ng/g ng/g ng/g ng/g ng/g ng/g ng/g | | 02/21/22 07:37 02/21/22 07:37 | 02/24/22 01:46 02/24/22 01:46 | 1 1 1 |

Client: ARCADIS U.S. Inc Job ID: 480-194980-1

Project/Site: National Grid - Dewey Avenue Site

Lab Sample ID: 480-194980-16 Client Sample ID: B-13 (3.6-5.6)

Date Collected: 02/10/22 13:30 **Matrix: Solid** Date Received: 02/11/22 10:45 Percent Solids: 78.3

| Isotope Dilution | %Recovery Q | Qualifier Limits | Prepared | Analyzed | Dil Fac |
|------------------|-------------|------------------|----------------|----------------|---------|
| M2-8:2 FTS | 131 | 15 - 200 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| M2-6:2 FTS | 126 | 10 - 200 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C5 PFHxA | 79 | 10 - 174 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C4 PFHpA | 84 | 10 - 178 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C8 PFOA | 86 | 26 - 159 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C9 PFNA | 94 | 26 - 165 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C6 PFDA | 95 | 26 - 161 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C7 PFUnA | 93 | 12 - 173 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C2-PFDoDA | 93 | 11 - 166 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C2 PFTeDA | 96 | 10 - 169 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C3 PFBS | 100 | 27 - 179 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C3 PFHxS | 95 | 24 - 171 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C8 PFOS | 102 | 41 - 154 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| d3-NMeFOSAA | 74 | 10 - 178 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| d5-NEtFOSAA | 90 | 10 - 193 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C8 FOSA | 51 | 14 - 163 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C4 PFBA | 83 | 28 - 153 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |
| 13C5 PFPeA | 84 | 24 - 161 | 02/21/22 07:37 | 02/24/22 01:46 | 1 |

Client Sample ID: B-9 (1.0-1.5)

Lab Sample ID: 480-194980-18 Date Collected: 02/10/22 10:40 **Matrix: Solid** Date Received: 02/11/22 10:45 Percent Solids: 86.8

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|-------|--------------|----------------|----------------|---------|
| PCB-1016 | 1.2 | U J | 1.2 | 0.23 | mg/Kg | * | 02/16/22 07:10 | 02/17/22 16:04 | 5 |
| PCB-1221 | 1.2 | U | 1.2 | 0.23 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 16:04 | 5 |
| PCB-1232 | 1.2 | U | 1.2 | 0.23 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 16:04 | 5 |
| PCB-1242 | 14 | | 1.2 | 0.23 | mg/Kg | ⊅ | 02/16/22 07:10 | 02/17/22 16:04 | 5 |
| PCB-1248 | 1.2 | U | 1.2 | 0.23 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 16:04 | 5 |
| PCB-1254 | 1.2 | U | 1.2 | 0.54 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 16:04 | 5 |
| PCB-1260 | 1.2 | U | 1.2 | 0.54 | mg/Kg | ₩ | 02/16/22 07:10 | 02/17/22 16:04 | 5 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 143 | | 65 - 174 | 02/16/22 07:10 | 02/17/22 16:04 | 5 |
| DCB Decachlorobiphenyl | 161 | | 65 - 174 | 02/16/22 07:10 | 02/17/22 16:04 | 5 |
| Tetrachloro-m-xylene | 126 | | 60 - 154 | 02/16/22 07:10 | 02/17/22 16:04 | 5 |
| Tetrachloro-m-xylene | 148 | | 60 - 154 | 02/16/22 07:10 | 02/17/22 16:04 | 5 |

Client Sample ID: B-9 (3.5-5.5) Lab Sample ID: 480-194980-20

Date Collected: 02/10/22 14:00 **Matrix: Solid** Date Received: 02/11/22 10:45 Percent Solids: 80.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 00:38 | 1 |
| PCB-1221 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 00:38 | 1 |
| PCB-1232 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 00:38 | 1 |
| PCB-1242 | 0.15 | J | 0.23 | 0.045 | mg/Kg | ⊅ | 02/16/22 07:10 | 02/17/22 00:38 | 1 |
| PCB-1248 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 00:38 | 1 |
| PCB-1254 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ☼ | 02/16/22 07:10 | 02/17/22 00:38 | 1 |
| PCB-1260 | 0.29 | | 0.23 | 0.11 | mg/Kg | ₽ | 02/16/22 07:10 | 02/17/22 00:38 | 1 |

Client: ARCADIS U.S. Inc Job ID: 480-194980-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-9 (3.5-5.5)

Lab Sample ID: 480-194980-20

 Date Collected: 02/10/22 14:00
 Matrix: Solid

 Date Received: 02/11/22 10:45
 Percent Solids: 80.4

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|---------------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 74 | 65 - 174 | 02/16/22 07:10 | 02/17/22 00:38 | 1 |
| DCB Decachlorobiphenyl | 91 | 65 - 174 | 02/16/22 07:10 | 02/17/22 00:38 | 1 |
| Tetrachloro-m-xylene | 81 | 60 - 154 | 02/16/22 07:10 | 02/17/22 00:38 | 1 |
| Tetrachloro-m-xylene | 92 | 60 - 154 | 02/16/22 07:10 | 02/17/22 00:38 | 1 |



National Grid Dewey Avenue

Data Review Report

Buffalo, New York

Polychlorinated Biphenlys (PCBs) Analyses

SDGs # J195076-1 and J1905076-3

Analyses Performed By:

SGS Laboratories, Inc. Dayton, New Jersey

Report #48973R Review Level: Tier II Project: 30094243 Task 04

Summary

This Data Review Report summarizes the review of Sample Delivery Groups (SDGs) # J195076-1 and J1905076-3 for samples collected in association with the National Grid Dewey/Kensington Avenue site in Buffalo, New York. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

| Occupate ID | Latin | Marie | Sample | Parent | | | Anal | lysis | | |
|----------------|---------------|--------|--------------------|--------|-----|------|------|-------|-----|------|
| Sample ID | Lab ID | Matrix | Collection Date | Sample | VOC | svoc | РСВ | PEST | MET | MISC |
| B-21 (1.2-1.7) | 480-195076-1 | Solid | 2/11/22 | | | | Х | | | |
| B-21 (3.7-5.7) | 480-195076-3 | Solid | 2/14/22 | | | | Х | | | |
| FD-02112022 | 480-195076-6 | Solid | 2/11/22 | | | | Х | | | |
| B-22 (0.8-1.3) | 480-195076-7 | Solid | 2/14/22 | | | | Х | | | |
| B-22 (5.3-7.3) | 480-195076-10 | Solid | 2/14/22 | | | | Х | | | |
| B-8 (1.5-2.0) | 480-195076-15 | Solid | 2/14/22 | | | | Х | | | |
| B-8 (2.0-4.0) | 480-195076-16 | Solid | 2/14/22 | | | | Х | | | |
| B-17 (1.3-1.8) | 480-195076-18 | Solid | 2/15/22 | | | | Х | | | |
| B-7 (1.2-1.7) | 480-195076-23 | Solid | 2/15/22 | | | | Х | | | |
| B-7 (3.7-5.1) | 480-195076-25 | Solid | 2/15/22 | | | | Х | | | |
| B-12 (1.3-1.8) | 480-195076-26 | Solid | 2/15/22 | | | | Х | | | |
| B-12 (3.8-5.8) | 480-195076-28 | Solid | 2/15/22 | | | | Х | | | |
| B-2 (1.3-1.8) | 480-195076-30 | Solid | 2/15/22 | | | | Х | | | |
| B-2 (5.8-7.0) | 480-195076-33 | Solid | 2/15/22 | | | | Х | | | |
| B-16 (1.2-1.7) | 480-195076-35 | Solid | 2/15/22 | | | | Х | | | |
| B-16 (3.7-5.7) | 480-195076-37 | Solid | 2/16/22 | | | | Х | | | |
| B-11 (1.2-1.7) | 480-195076-40 | Solid | 2/16/22 | | | | Х | | | |
| B-11 (3.7-5.7) | 480-195076-42 | Solid | 2/16/22 | | | | Х | | | |
| FD-02162022 | 480-195076-44 | Solid | 2/16/22 | | | | Х | | | |
| B-6 (1.0-1.5) | 480-195076-45 | Solid | 2/16/22 | | | | Х | | | |

Data Review Report

| Sample ID | Lab ID | Matrix | Sample Collection | Parent | Analysis | | | | | |
|---------------|---------------|--------|----------------------|--------|----------|------|-----|------|-----|------|
| Sample ID | Labib | Wallix | Date | Sample | voc | svoc | РСВ | PEST | MET | MISC |
| B-6 (1.5-3.5) | 480-195076-46 | Solid | 2/16/22 | | | | Х | | | |
| B-1(1.2-1.7) | 480-195076-50 | Solid | 2/16/22 | | | | Х | | | |
| B-1(1.7-3.7) | 480-195076-51 | Solid | 2/16/22 | | | | Х | | | |
| B-2 (1.8-3.8) | 480-195076-31 | Solid | 2/15/22 | | | | Х | | | |
| B-2 (3.8-5.8) | 480-195076-32 | Solid | 2/15/22 | | | | Х | | | |

Notes:

This data review only included PCB analysis.

1. The matrix spike/matrix spike duplicate (MS/MSD) analysis was performed on sample locations B-8 (2.0-4.0) and B-16 (1.2-1.7).

Analytical Data Package Documentation

The table below evaluates the data package completeness.

| Items Reviewed | Rep | orted | | mance ptable | Not Required |
|---|-----|-------|----|-----------------|-----------------|
| | No | Yes | No | Yes | Nequireu |
| Sample receipt condition | | X | | Х | |
| Requested analyses and sample results | | Х | | Х | |
| Master tracking list | | Х | | Х | |
| 4. Methods of analysis | | Х | | Х | |
| 5. Reporting limitss | | Х | | Х | |
| 6. Sample collection date | | Х | | Х | |
| 7. Laboratory sample received date | | Х | | Х | |
| 8. Sample preservation verification (as applicable) | | Х | | Х | |
| Sample preparation/extraction/analysis dates | | Х | | Х | |
| 10. Fully executed chain-of-custody form | | Х | | Х | |
| 11. Narrative summary of QA or sample problems provided | | Х | | Х | |
| 12. Data package completeness and compliance | | Х | | Х | |

Note:

QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8082A. Data were reviewed in accordance with USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review, EPA-540-R-20-005 (November 2020), and the USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review, EPA540/R-99/008, October 1999 (as applicable).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound is considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

Data Review Report

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Polychlorinated Biphenyls (PCBs) Analysis

1. Holding Times

The specified holding times for the following methods are presented in the table below.

| Method | Matrix | Holding Time | Preservation |
|-------------|--------|--------------------------------------|---------------|
| SW-846 8082 | Water | One year from collection to analysis | Cool to <6 °C |

Note:

s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for Aroclor 1016 and 1260 only. Single-point calibrations were performed for the remaining Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All Aroclors associated with calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

| Sample Locations | Initial/Continuing | Compound | Criteria | |
|------------------|--------------------|--------------|----------|--|
| B-21 (1.2-1.7) | | | | |
| B-21 (3.7-5.7) | | Aroclor 1016 | 22.2% | |
| FD-02112022 | CCV %D | | | |
| B-22 (5.3-7.3) | | Aroclor 1260 | 24.8% | |
| B-8 (2.0-4.0) | | 755.51 1266 | | |

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

| Initial/Continuing | Criteria | Sample Result | Qualification |
|------------------------|--|------------------|---------------|
| Initial Calibration | | Non-detect | UJ |
| miliai Calibration | 701COD > 20 7001 a correlation coefficient <0.33 | Detect | J |
| Continuing Calibration | %D >20% | Non-detect | UJ |
| Continuing Calibration | /6D >20 /6 | Detect | J |

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that one of the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

Sample locations associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

| Sample Locations | Surrogate | Recovery |
|------------------|----------------------|----------|
| P 2 (5 8 7 0) | Tetrachloro-m-xylene | D |
| B-2 (5.8-7.0) | Decachlorobiphenyl | D |

Note:

D = dilution

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results are qualified as documented in the table below.

| Control Limit | Sample Result | Qualification |
|--|------------------|---------------|
| the upper central limit (LIII.) | Non-detect | No Action |
| > the upper control limit (UL) | Detect | J |
| the leaves and allies is (LL) but 400/ | Non-detect | UJ |
| < the lower control limit (LL) but > 10% | Detect | J |
| 1004 | Non-detect | R |
| < 10% | Detect | J |
| | Non-detect | |
| One surrogate exhibiting recovery outside the control limits but > 10% | Detect | No Action |
| Surrogates diluted below the calibration curve due to the high concentration | Non-detect | 111/11 |
| of a target compound. | Detect | - UJ/J¹ |

Note:

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited recoveries and RPDs within the control limits.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits. The LCSD analysis was not performed.

A more concentrated analysis was not performed with surrogate compounds within the calibration range; therefore, no determination of extraction efficiency could be made.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil.

Results for duplicate samples are summarized in the following table.

| Sample ID / Duplicate ID | Compound | Sample Result | Duplicate Result | RPD |
|---------------------------------|----------|------------------|---------------------|-----|
| · | PCB-1248 | 0.21 U | 0.90 | NC |
| B-21 (1.2-1.7) / FD-02112022 | PCB-1254 | 0.58 | 0.27 U | AC |
| | PCB-1260 | 0.21 U | 0.43 | AC |
| B-11 (1.2-1.7) / FD-02162022 | PCB-1242 | 0.41 | 0.21 U | AC |

Notes:

AC = acceptable

NC = not compliant

The compound PCB-1248 associated with sample locations B-21 (1.2-1.7) and FD-02112022 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated.

9. Compound Identification

Compounds are identified on the GC by using the analytes relative retention time.

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the percent difference (%D) of detected sample results must be less than 25%.

Sample locations associated with %D analysis exhibiting recoveries outside of the control limits presented in the following table.

| Sample Locations | Compound | %D |
|------------------|----------|------|
| B-12 (3.8-5.8) | PCB-1242 | 51.2 |
| B-11 (1.2-1.7) | PCB-1242 | 39.2 |
| B-6 (1.5-3.5) | PCB-1242 | 42.1 |

The criteria used to evaluate the %D are presented in the following table. In the case of a %D deviation, the sample results are qualified as documented in the table below.

| Control Limit (%D) | Qualification |
|--|---------------|
| >25% to 70% | J |
| >70% to 100% | JN |
| >100% 1 | R |
| >100% to 200% (Interference detected) ² | J or JN |
| >50% (pesticide) sample results less than the RL) | U |

When the PCB sample results are less than the RL and the RPD greater than 50% the sample result are raised to the RL and reported as non-detect.

Note 1: If the pattern is confirmed sample results will be qualified as estimated (J). If pattern exhibits interference or if the PCB cannot be positively determined due to weathering the sample results will be qualified as tentative identification estimate (JN).

Note 2: If interference is detected in either column the sample results will be qualified as tentative identification estimate (JN).

The laboratory noted the following:

- 1. The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: B-7 (1.2-1.7) (480-195076-23). The sample(s) has been quantified and reported as Aroclor PCB-1248. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.
- 2. The following samples appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: B-11 (1.2-1.7) (480-195076-40) and B-6 (1.5-3.5) (480-195076-46). The sample(s) has been quantified and reported as Aroclor PCB-1242. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.
- 3. The following samples appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: B-12 (1.3-1.8) (480-195076-26) and B-2 (1.3-1.8) (480-195076-30). The sample(s) has been quantified and reported as Aroclor PCB-1248. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.

The detected sample results associated with sample locations listed above, were qualified as estimate (J).

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR PCBs

| PCBs; SW-846 8082 | Rep | orted | | rmance eptable | Not Required |
|---|-----|-------|----|-------------------|-----------------|
| | No | Yes | No | Yes | - Kequileu |
| GAS CHROMATOGRAPHY (GC/ECD) | | | | | |
| Tier II Validation | | | | | |
| Holding times | | Х | | Х | |
| Reporting limits (units) | | Х | | Х | |
| Blanks | | | | | |
| A. Method blanks | | Х | | Х | |
| B. Equipment blanks | Х | | | | Х |
| Laboratory Control Sample (LCS) %R | | Х | | Х | |
| Laboratory Control Sample Duplicate (LCSD) %R | | Х | | Х | |
| LCS/LCSD Precision (RPD) | | Х | | Х | |
| Matrix Spike (MS) %R | Х | | | | Х |
| Matrix Spike Duplicate (MSD) %R | Х | | | | Х |
| MS/MSD Precision (RPD) | Х | | | | Х |
| Field/Lab Duplicate (RPD) | | Х | Х | | |
| Surrogate Spike Recoveries | | Х | Х | | |
| Column (RPD) (If dual column is performed-not confirmation purposes only) | X | | | | X |
| Dilution Factor | | Х | | Х | |
| Moisture Content | Х | | | | X |
| Tier III Validation | | | | | |
| Initial calibration %RSDs | | Х | | X | |
| Continuing calibration %Ds | | Х | Х | | |
| System performance and column resolution | | Х | | Х | |
| Compound identification and quantitation | | | | | |
| A. Quantitation Reports | | Х | | Х | |
| B. RT of sample compounds within the established RT windows | | Х | | Х | |
| C. Pattern identification | | X | | X | |
| D. Transcription/calculation errors present | | X | | X | |
| E. Reporting limits adjusted to reflect sample | | X | | X | |

Data Review Report

| PCBs; SW-846 8082 | Repo | orted | Perfo Acce | Not Required | | | | |
|-----------------------------|------|-------|---------------|-----------------|----------|--|--|--|
| | No | Yes | No | Yes | Required | | | |
| GAS CHROMATOGRAPHY (GC/ECD) | | | | | | | | |
| dilutions | | | | | | | | |

%RSD - relative standard deviation, %R - percent recovery, RPD - relative percent difference,

%D - difference

Data Review Report

SAMPLE COMPLIANCE REPORT

DATA USABILITY SUMMARY REPORT

SAMPLE COMPLIANCE REPORT

| Sample | Sampling | | | | | (| Complia | ncy ¹ | | Namanunii |
|-------------------------|----------|----------|----------------|--------|-----|------|---------|------------------|------|--|
| Delivery Group (SDG) | Date | Protocol | Sample ID | Matrix | voc | svoc | РСВ | MET | MISC | Noncompliance |
| 480-195076-1 | 2/11/22 | SW-846 | B-21 (1.2-1.7) | Solids | | | Yes | | | PCB – CCV, Field duplicate RPD |
| | 2/14/22 | SW-846 | B-21 (3.7-5.7) | Solids | | | Yes | | | PCB – CCV, Field duplicate RPD |
| | 2/11/22 | SW-846 | FD-02112022 | Solids | | | Yes | | | PCB – CCV, Field duplicate RPD |
| | 2/14/22 | SW-846 | B-22 (0.8-1.3) | Solids | | | No | | | |
| | 2/14/22 | SW-846 | B-22 (5.3-7.3) | Solids | | | Yes | | | PCB – CCV |
| | 2/14/22 | SW-846 | B-8 (1.5-2.0) | Solids | | | No | | | |
| | 2/14/22 | SW-846 | B-8 (2.0-4.0) | Solids | | | Yes | | | PCB – CCV |
| | 2/15/22 | SW-846 | B-17 (1.3-1.8) | Solids | | | No | | | |
| | 2/15/22 | SW-846 | B-7 (1.2-1.7) | Solids | | | No | | | |
| | 2/15/22 | SW-846 | B-7 (3.7-5.1) | Solids | | | No | | | |
| | 2/15/22 | SW-846 | B-12 (1.3-1.8) | Solids | | | Yes | | | PCB – increased qualitative and quantitative uncertainty |
| | 2/15/22 | SW-846 | B-12 (3.8-5.8) | Solids | | | Yes | | | PCB – Column percent difference |
| | 2/15/22 | SW-846 | B-2 (1.3-1.8) | Solids | | | Yes | | | PCB – increased qualitative and quantitative uncertainty |
| | 2/15/22 | SW-846 | B-2 (5.8-7.0) | Solids | | | Yes | | | PCB – Surrogates diluted out |
| | 2/15/22 | SW-846 | B-16 (1.2-1.7) | Solids | | | No | | | |
| | 2/16/22 | SW-846 | B-16 (3.7-5.7) | Solids | | | No | | | |
| | 2/16/22 | SW-846 | B-11 (1.2-1.7) | Solids | | | Yes | | | PCB – Column percent difference |
| | 2/16/22 | SW-846 | B-11 (3.7-5.7) | Solids | | | No | | | |
| | 2/16/22 | SW-846 | FD-02162022 | Solids | | | No | | | |

DATA USABILITY SUMMARY REPORT

| Sample | Sampling Date | | | | Compliancy ¹ | | | | | Neucomaliance |
|-------------------------|------------------|----------|---------------|--------|-------------------------|------|-----|-----|------|---------------------------------|
| Delivery Group (SDG) | | Protocol | Sample ID | Matrix | VOC | svoc | РСВ | MET | MISC | Noncompliance |
| | 2/16/22 | SW-846 | B-6 (1.0-1.5) | Solids | | | No | | | |
| | 2/16/22 | SW-846 | B-6 (1.5-3.5) | Solids | | | Yes | | | PCB – Column percent difference |
| | 2/16/22 | SW-846 | B-1(1.2-1.7) | Solids | | | No | | | |
| | 2/16/22 | SW-846 | B-1(1.7-3.7) | Solids | | | No | | | |
| 480-195076-3 | 2/15/22 | SW-846 | B-2 (1.8-3.8) | Solids | | | No | | | |
| | 2/15/22 | SW-846 | B-2 (3.8-5.8) | Solids | | | No | | | |

Note:

Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Todd Church

SIGNATURE:

DATE: March 15, 2023

PEER REVIEW: Dennis Capria

DATE: March 23, 2023

| Chain of Custody Corrected Sample Analysis Data Sheets | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |

| Colone Laboration Colo | Amherst, NY 14226-2298 Phone: 718-691-2600 Fax: 716-691-7991 | Chain of | Chain of Custody Record | cord | | Seurofins Environment Testing |
|--|---|--------------------------|-------------------------|---------------------------------------|----------------------------------|---------------------------------|
| Section Control Cont | Client Information | JUN JUNE My IL | | s, John R | | OC No. |
| Second S | Mr. Michael Jones Company | 161- 18h (SIC) | | chove@Fumfinest.com | State of Original D. D. T. | Page: 1 al-5 |
| Control Cont | ARCADIS U.S. Inc | Md | | | #113 | Page Pof 26- |
| Second Contract | | Due Date Requested: | | Analysis Re | equested | , and a second |
| Sample Mentitlesion Continues Order Requested Continues Order Regulation Continues Order Regula | Syracuse | TAT Requested (days): | | | | A-HCL M-Heren |
| 1976-07-12-11 1976-07-12-1 | State, Zp. NY, 13202 | STANDAR | 0 | H | | - state |
| Contract | Phone. 315-871-0211/Tell | PO# | 9 | 10 14 | | 55. |
| Second S | Email | Purchase Order Requested | 1(0) | NA. | 10 | Ametrior Ametrior |
| National Grd. Develop Acrous Sign Sample Date Sample | Project Name. | | 140 | [90 | | , |
| | National Grid - Dewey Avenue Site | 48024791 | 50A) | t to e | | |
| Sample blanchington Sample Date Three Cheeren | Nersoni (m) - Dewen Averse | 170 | opdwe | eu eu eu eu | ежоо | |
| Sample blanchication Sample Date Time Concent Sample Concent Conc | - | | Matrix | MS/MS | to sed | |
| S-21 (1.2-1.3) 2/11/22 C/GG C Sold X X X X X X X X X | Sample Identification | Sample | | VQI"D | amy is | 150 |
| S-21 (1.2-1.7) | | X | 100 | Je 2 | no. | Special Instruction |
| B21 (1.3-3.7) 2/11/22 03cn Solid X FHOLD B21 (5.1-5.3) 2/11/22 1145 Solid X FHOLD B21 (7.1-9.7) 2/11/22 Solid X FHOLD B22 (7.1-9.7) 2/11/22 Solid X FHOLD B22 (1.3-3.3) 2/11/22 Solid X FHOLD B23 (1.3-3.3) 2/11/22 Solid X FHOLD B24 (1.3-3.3) 2/11/22 Solid X FHOLD B25 (1.3-3.3) 2/11/22 Solid X FHOLD B27 (1.3-3.3) 2/11/22 Solid THOLD B27 (1.3-3.3) 2/11/22 THOLD B27 (1.3 | | Chie | Solid | > | | |
| G-21 (3.1-5.1) | 4 | 030 | | c × | | Anolyze |
| G-21 (5.1-3.3) 21/4/22 14/4 C Solid X X A L-LL G-22 (5.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-22 (1.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-22 (1.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-22 (1.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-22 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-22 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-22 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-22 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-22 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-22 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid X A L-LL G-32 (3.3-5.3) 21/4/22 13.5 C Solid A L-LL G-32 (3.3-5.3) 21/4/22 A L-LL G-32 (3.3-5.3) 21/4/22 A L-LL G-32 (3.3-5.3) 21/4/22 A L-LL G-32 (3.3-5.3) A L-LL G-32 (3.3-5.3) A L-LL G-32 (3.3-5.3) A L-LL G-32 (3.3-5.3) A L-LL G- | ٦ | 1145 | | \ \ \ \ | | * HOLD × |
| 1.2.2 | ٦ | 1146 | H | < > | | Anelyze |
| Code Loca Laga Code | | 1210 | - | × | | . Horo . |
| 1-1-3 2/14/12 1/55 C Solid X | | 1 | | × | | * 4400 |
| 3.5 2 | M | | Solid | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | Analyte |
| 3-5.3 | \preceq | | Solid | ×× | | Aprilige |
| 3-5,3 2/14/22 1316 C Solid X | (33 | | Solid | × | | * 070H* |
| 3-5,3 2 14 22 1350 C Solid | (5.3 | | Solid | × | | * (70/7 |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 most match of special instructional OC Requirements: III. N. Other (special) | Breefile Heard (43-9.3) | 7 | F | > | | Harlyze |
| 1. III, IV. Other (apecity) | | Poleon B | | Sample Disposal (A fee may be | assessed if Samples are retained | HOLLI) & |
| Date: Date: Time: Date: Date: | III, IV, O | CHARDOWN | | Special Instructions/OC Requirement | Disposal By Lab | # For Months |
| Custody Seal No.: Content Cont | Empty Kit Relinquished by | Date: | Tim | 9 | F | |
| Custody Seal No.: | 1777 | 1 | Company | Reported by | | |
| Custody Seal No.: Contemp Received by: Contemp | Reinquistand by | \sim | | 3 | 7/16/2 | 7 |
| Custody Seal No.: | Reinspained by | DetarTime | Company | Received by: | | Company |
| | | | | Cooler Temperature(a) *C and Other Re | | Company |

| Phone: 716-691-2600 Fax 716-691-7991 | | Ciralli of Custody Record | | Curofins Environment Testing |
|---|---------------------------------|---------------------------|--|---------------------------------|
| Clent Information | Samplen | 1 | | America |
| Mr. Michael Jones | (315) Usts - 14 (5) | | Schove, John R. State of Organ | Sur of October 170470-37024.9 |
| ARCADIS U.S. Inc | | | | 5 Page training |
| One Lincoln Center 110 West Fayette St, Suite 300 | Due Data Requested: | | Analysis Requested | • 800 |
| Syracuse | TAT Requested (days): | | | A-HC M |
| Sain, Zp. NY, 13202 | STRINGACD | | H | Acetate |
| Thors: 315-871-9211(Tel) | PO# | | 1010 | 5 6 |
| Emui michael jones@arcadis.com | Purchase Order Requested | | | chlor orbic Acid |
| National Grid - Devey Avenue Site | Project # 4802479+ | Ī | OK 300 | J-DI Water K-EDTA |
| Noticond (-in -Durey Avove Site | | | on Standa | L-EDA Other: |
| | Sample Type | Matrix | Filtered Si | No nedmi |
| Semple Identification | Sample Date Time Gugr | ST-Therm, Annal. | 944C) | |
| B-22 (9,3 -10,4) | 1 chulc | Preservation Code: | N. N. N. | Special Instructions/Note: |
| | - | Solid Solid | | *Hald * |
| 100 MG | - | Solid | × | Amlyee |
| B-8 (15-20) | 2/14/22 130 (| Solid | × > | *H00)* |
| (20.4 | | Solid | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Amlyze |
| (4.0 -5 | 200 | Solid | 7 | Anchiec |
| (1.3-1.8 | 2/15/22 CS/10 C | Soild | ** | * ChOH* |
| 7 | 2/15/22 0911 C | Solid | X | _ |
| (38.5 | | Solid | ×××× | *(\(\mathcal{D}\) * |
| | 2115/22 1151 C | Solid | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Howlige |
| Possible Hazard Identification | 2/15/22 12cs C | Solid | × | * 50# * |
| Skin Inttant | Polson B Unknown Radiological | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | e retained longer than 1 month) |
| Other (specify) | | | Special Instructions/QC Requirements: | Archive For Months |
| Employ for Melinquished by: | Date. | Time: | 18: | |
| | Date/files | Company 1.1 | Ray And By It Mille. | - |
| And Despiration | H | Company | | CA 1640 TAY |
| | DelaTime | Company | Received by: Date/Time. | Conpany |
| A Yes A No | | | Cooler Temperature(s) *C and Other Remarks: | |

les.

| BB - BOOL ST. | | | | | 1 | - America |
|---|---------------------------------|--|-------------------------------|---|---------------------|---|
| Client Information | Sampler Sampler | Ar.M. | M-dan | o stol | WOOD STILL STORY OF | D COC No. |
| Lient Cortact Mr. Michael Jones | Dio (orc) | 018" | | Ettal | State of Origin | 480-170470-37024.10 |
| Company ARCADIS U.S. Inc | an iciel | DISM | | chove@Eurofinset.com | #225 | Page (greating) |
| Address One Lincoln Center 110 West Fayette St, Suite 300 | Due Date Requested: | | | Analysis | Analysis Requested | Preservation Codes: |
| Syracuse | TAT Requested (days): | | | | | A-HO. M-Houghe |
| Sum. Zp. NY, 13202 | Compliance Project: A Yes A No | 30as.s | SHOTERS | lt. | | G-Zir Acetate O - Agraedz D - Nittle Acid P - Nig2048 |
| Phone 315-671-9211(Tel) | PO s Purchase Order Beauting | The state of the s | | []#Q | | F-Merson Q-Nazsos |
| Email michael jones@arcadis com | *Ow | Colean | (ON as | (0 | | H-Aucorbic Acid T-TSP Dodecary |
| Proped Name National Grid - Dewey Avenue Site | Project 8 48024791 | | X) | - OF W | | J- Di Water K- EDTA |
| Medical (20) - Deway Asing Sign | | | eigms | en Standa | | Comer: 2-other (specify) |
| Sampie Identification | _ | Sample (Cre | Sample Matrix Type (re-entry) | exold A,1 - dot | | lo tedmuki ja |
| | | | from Code: | 20 Z | | Special Instructions/Note |
| (B-7 (12-13) | 2/15/22 0 | Office C | Solid | > | | 100 |
| 7 | 2/15/22 | 0,481 | Solid | < > | | Haring |
| B-7 (F.F.3.3) | _ | 01510 | Solid | \ \ \ \ \ | | * HOLD * |
| R-1 (3,3-5.1) | 2/18/12 | Sus C | Solid | > | | Harlyze |
| 7 | 27/5/12 | 5501 | Solid | × | | 22/200 |
| 13.2 (1.8.3.8) | 2115112 | 1036 | Solid | × | | Haryt |
| | 21/5/12 | 1315 C | Solid | × | | * (DOD) * |
| 1 | 1215112 | 13/6 | Solid | × | | Houleyee |
| ٦ | _ | 1105 C | Solid | × | | * |
| 7 | 2/15/12 | 1106 C | Solid | × | | HUSCHIZE |
| (3.8.5.8) | 27/2/12 | 1400 | Solid | × | | * * HOLL) * |
| Non-Hazard Flammable Skin Imfant | Poleon B | | | Sample Disposal (A fee may | ples | tained longer than 1 month) |
| | | COOK TO SERVICE SERVIC | olicai | Special Instructions/QC Requirements: | Disposal By Lab | Archive For Months |
| dansh | ă | Date: | - | Time: | Melhod of Shaware | |
| ナーング・ | OuterTime 12 | lunn | Company | Respired by . // | Data/Trafe | |
| inquired by | DataTime | ч | Company | Received by | CONT. | 134 1640 This |
| | DeterTime. | | Company | Received by. | Dete/Time. | Company |
| A Yes A No | | | | Cooler Temperature(a) *C and Other Remarks: | har Remarks: | |

| Phone: 716-691-2600 Fax: 716-691-7991 | | , | | | America |
|---|----------------------------------|----------------------------|---|--|---------------------------------------|
| Client Information | Samples W. W. W. | | t John R | SWACUSHOW. | COC No. |
| Mr. Michael Jones | Prof. (SIS) 450-1419 | | E-Mait. | State of Organic | 480-170470-37024.11 |
| ARCADIS U.S. Inc | PWS | | C civilary | #763 | Vage 19 of 6 |
| Address: One Lincoln Center 110 West Fayette St. Sutte 300 | Due Date Requested; | | Alialysis | Datanhay | Preservation Codes: |
| Syracuse | TAT Requested (days): | | | | A-HC. W-Hecans B-NaOH N-Hors |
| Slate, 2p. NY, 13202 | Compliance Project A Yes A No | | IZ. | | 2 7 |
| Phone. 315-871-9211(Tel) | Pose Purchase Order Requested | | - J. | | F-MeOH R-Na2SO3 G-Ametics R-Na2SO3 |
| nnat michael Jones@arcadis.com | WO E. | | (0) | 2863 | H- Ascritic Acid T-TSP Dodecarydrate |
| Project Harne National Grid - Dewey Avenue Site | Project #. 48024791 | | N 29 1 | | K-EDTA |
| National Cold-Dinzey Avonce Site | | | en en | | Others |
| 5 | Sample | Sample Matrix Type (mass., | Hd Fillwood S And And Constitution - PFAS TOL PCB | | o redmuk le |
| | Sample Date Time G= | for Code: | 254 2 228 2 | The second second | Special Instructions/Note: |
| B-2 (5.8.7.0) | 2/15/22 1901 | Solid | > x | | |
| B-2 (1.3-1.8) | -1 | Solid | ××× | | |
| 4 | ONNO | Solid | | | 7 |
| 7 | 2/16/22 OGUI C | Solid | | | |
| | 2/16/22 1125 C | Solid | × × | | |
| | | Solid | × | | Hr-Lylk |
| (F.E. C.I.) 71-8 | 2116172 0940 C | Solid | × | | |
| B-11 (1.2-1.7) | 2/16/22 0905 (| Solid | × | | |
| | 21/6/22 0506 | Solid | × | | HACKAR |
| 6.11 (3.7-5.7) | 2/16721 1140 C | Solid | × | | X HOUS |
| (5-1) (53-6.5) | 2/16/22 1141 5 | Solid | × | | #1 1010 m |
| Non-Hazard — Flammable — Skin irritant — P. | Poison B Unknown Radiological | foolcs/ | Sample Disposal (A fee may b | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | ned longer than 1 month) |
| | | | Special Instructions/OC Requirements: | nerits: | thive For Months |
| Compay for Reinquished by: | Date: | | Time: | Method of Shipment | |
| A T T | 21/4/52 //44C) | Accell | Received by Mul | OuterTiffie C/6//C | 23 1640 Company & |
| einquisined by: | Date/Time: | Company | Received by | DatarTime | Company |
| Custody Seals Intact Custody Seal No.: | | | Cooler Tamound color of the | | franch com |

| Phone: 716-691-2600 Fax: 716-691-7991 | | | | | | | | £ | America |
|--|-----------------------------|-----------|----------------------------|--------------|-----------------|---|--|-----------------------------------|-----------------------------------|
| Client Information | Sampler | Lash | 11/11/11 | Schow John R | John R | | SVICE USE OF THE | OCC No. | |
| Chert Contact Mr. Michael Jones | Phone | 1-08n | 015 | Т | E-Mail: | 1 | State of Origin | Page: 5,ES | 24.12 |
| Cempainy ARCADIS U.S. Inc | PWSID | 2 | - DISMA | | | - Partie | # 440 | Page 4554.20. | |
| Address: One Lincoln Center 110 West Fayette St, Suite 300 | Due Date Requested: | | | FEE | | Analysis Requested | adnested | Preservation Codes | * |
| Ony. Syracuse | TAT Requested (days): | ÷ . | ١. | I | | | | A-HQ | M - Hexane |
| State, Zp. NY, 13202 | Compilance Project: A Yes A | SINTMORED | 380 | | 12. | | | C - Zn Acetate D - Nitric Acid | O - AsNe02 P - Na2045 |
| Phone 315-671-9211(Tel) | Portar Order Beginster | Parinter | 2 | | lo sel. | | | | O - Na2SOS R - Na2S2O3 |
| Email michael jones@arcadis.com | WO#; | nadnasian | | (ON JO | (o | | | Acid | T - TSP Codecatydrate U - Acetons |
| Project Name National Grid - Dewey Avenue Site | Project # 48024791 | | | (Yes | | | | K-EDTA K-EDTA | W-pH45 |
| Istoral Crid-Rosey Agree Site | SSOWe. | | | elqmai | briatič - | | | Other: | (Limada) island |
| Sample identification | | | Sample Type (C=comp, | Matrix (T | 100 - 1,4 Dies. | 101 - TCL PCE | | o nedmuh la | |
| Western Commence of the Commen | Sample Unite | | G=grab) Preserva | 3 | 3d 2 | 100 2 | A Property of | | Special Instructions/Note: |
| CC063160 - 07 | 26/21/2 | ١ | J | Solid | | | | 2 | |
| 13-6 (10-15) | 3/16/33 | loug | U | Solid | | (× | | HUCLUZE | 426 |
| B-6 (1.5-3.5) | 3/16/22 | 1641 | 7 | Solid | | × | | 2 hours | 150 |
| | 2/16/12 | 012 | J | Solid | | × | | * Think of | 756 |
| B-6 (1.0-1.5) | 21/16/122 | 1211 | 0 | Soud | × | | | A TO | k ? . |
| 5 | 2/16/22 | ١ | 7 | Solid | | × | | 7/17 | Harly 20 |
| ٦, | 21/11/22 | (305 | U | Solid | | × | | *(101/* | * |
| 13-1 (17-34) | 2/16/22 | 1306 | V | Solid | | × | | חסירולנג | 756 |
| -1 (3.7-5.1) | 21/0//2 | 1320 | J | Pilos | | × | | | 126 |
| | | | + | Solid | 1 | | | 1400 | 7 |
| | | | K | 1 Solla | 1 | | | | |
| Possible Hazard Identification Non-Hazard Flemmable Skin Initant Pe | Polson B Unknown | m | Radiological | | Sample Dispo | sal (A fee may b | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | etatned-longer than 1 | month) |
| erable Requested: I, II, III, IV, Other (specify) | | | | | Special Instruc | tions/QC Requirer | Disposal By Lab | Archive For | Months |
| Empty Kit Relinquished by: | | Date: | | ш | Time. | • | Method of Shipment | | |
| CHAPTER TO THE STATE OF THE STA | Date/Time | | farin | Company | Received by | 1/1/10 | Deta/Tryle | | Company |
| Reinquestod by | Date/Time. | | | Company | Received by | No. | DateArme | 050/1957 | Company |
| | Date/Time: | | | Company | Received by | | Date/Time: | | Company |
| Custody Seals Intact Custody Seal No.: | | | | | Cooler Temp | Cooler Temperature(s) "C and Other Remarks: | Remarks | | |

Phone: 716-691-2600 Fax: 716-691-7991

Amherst, NY 14228-2298

10 Hazelwood Drive

Euronns Buffalo

& eurofins Environment Testing

ahydrate Special Instructions/Note: ŝ Ver: 06/08/202 M - Hexane N - None O - AsNaO2 Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon * Analyze Came The CLS (480-170470-37024.8 Amilyz Moraly 20 * HOLD Preservation Codes: * HOLD * HOLD 70/14 10/1× Page: 1 NS A - HCL B - NaOH C - Zn Acetate 480-195076 Chain of Custody Total Number of c C+ Date/Time: Method of Shipmen Analysis Requested Cooler Temperature(s) °C and Other Remarks: Special Instructions/QC Requirements: E-Mail: John. Schove@Eurofinset.com × × × SOSZA - TCL PCBs Received by: enved by: PFAS - Standard New York List of 21 Lab PM: Schove, John R 90520D - 1,4 Dioxane Time: FACE S Preservation Code: Solid Company Radiological Sample G=grab) (C=comb, Type hone: where My la 055/ Compliance Project: A Yes A No STANDARD Purchase Order Requested Sample 00/00 1330 Time 1140 1050 1145 1316 13,5 Unknown Date (AT Requested (days): Due Date Requested 2/14/20 2/14/22 2/14/22 2/11/22 2/11/22 2/14/22 Sample Date 2/14/22 22/11/6 2/14/12 21/4/12 2/14/12 2/14/22 Project #: 48024791 Jate/Time Poison B Skin Irritant One Lincoln Center 110 West Fayette St, Suite 300 Avenue Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. 52 (Sn) - Dewee 33.53 08-1.3 2 Flammable National Grid - Dewey Avenue Site Possible Hazard Identification (5 0 michael.jones@arcadis.com Empty Kit Relinquished by: 그 5 Custody Seals Intact:

Δ Yes Δ No Client Information Sample Identification V N 315-671-9211(Tel) Mr. Michael Jones ARCADIS U.S. Inc Non-Hazard 17 Nester elinquished by: 2 State, Zip: NY, 13202 3 N City: Syracuse 0 0

Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991

Eurofins Buffalo

10 Hazelwood Drive

rd

Environment Testing

💸 eurofins

P - Na2045 Q - Na2045 R - Na2803 R - Na2804 T - TSP Dodecahydrate U - Acetone V - MCAA Special Instructions/Note: Z - other (specify) Months Sompany Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon * HOID * COC No: 480-170470-37024.9 * HCLD * Anulyze * Har XHOLD Preservation Codes Houlise (HCC) 049/ G - Amchlor H - Ascorbic Acid Page Cof 20 A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH I - Ice J - DI Water K - EDTA L-EDA るではないいの Total Number of containers State of Oright 2225 Jate/Time Method of Shipment **Analysis Requested** Cooler Temperature(s) °C and Other Remarks: Special Instructions/QC Requirements: E-Mail: John. Schove@Eurofinset.com Recombed by. × Received by: Received by: PFC_IDA - PFAS - Standard New York List of 21 Lab PM: Schove, John R (OH TO SEY! CIEMISM MIGHE Field Filtered Sample (Yes or No) BT=Tissue, A"Air) (W=water, S=solid, O=waste/oil, Preservation Code: Matrix Solid Company Radiological Type (C=comp, G=grab) Sample OISM 1440 Mills 454-1417 Compliance Project: A Yes A No Purchase Order Requested 1205 0260 1150 Time 5 1331 1405 1230 1231 Date Unknown TAT Requested (days): Due Date Requested: 114/22 2/4/22 Sample Date 2/15/12 27/21/22 21,5,122 2/15/12 2215112 2/14/22 2/14/22 2/15/12 Phone: 2/4/22 2// C/ Date/Time: Project #: 48024791 Date/Time Poison B ANSOL Skin Irritant One Lincoln Center 110 West Fayette St, Suite 300 Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No 30 38 38 1.8 3.8 Ġ 20 4 C C1.3-1.5.1 Flammable National Grid - Dewey Avenue Site N Possible Hazard Identification 0.7 michael.jones@arcadis.com 33 5 50 6.3 Empty Kit Relinquished by: Custody Seals Intact:

△ Yes △ No Client Information Sample Identification 315-671-9211(Tel) Mr. Michael Jones ARCADIS U.S. Inc (0) Non-Hazard 4 8-17 E. do C: 02 3.17 100 inquished by: State, Zip: NY, 13202 Syracuse S

Ver: 06/08/202

Eurotins Buffalo

10 Hazelwood Drive

Environment Testing

eurofins ...

Phone: 716-691-2600 Fax: 716-691-7991 Amherst, NY 14228-2298

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2SO3
S - L'2SO4
T - TSP Dodecahydrate Special Instructions/Note: Z - other (specify) U - Acetone V - MCAA Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Caron Wire CUSE COC NO. 480-170470-37024.10 * HOLD * Anglyze * HOLD * Andrize * HCL) * Hnilia Preservation Codes: * HOL) Page: **3** ペトラ Page **後 母** 20 Job #: G - Amchlor H - Ascorbic Acid A - HCL B - NaOH C - Zn Acetate A. E - NaHSO4 F - MeOH I - Ice J - DI Water K - EDTA D - Nitric Acid t (19)/Jea Total Number of containers Date/Time: Method of Shipment **Analysis Requested** Cooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements: E-Mail: John.Schove@Eurofinset.com 8082A - TCL PCBs elved by: Received by: PFAS - Standard New York List of 21 Lab PM: Schove, John R Field Filtered Sample (Yes or No) BTeTissue, AnAir) (W=water, S=solid, O=waste/oil, Preservation Code: Solid Company Radiological (C=comb, G=grab) Type 486-1419 Marile Sompliance Project: A Yes A No 022/ STAUPARS Purchase Order Requested 14(10 Sample 345 1315 1316 10s 2011 Time CASC 0351 560 Unknown Date: FAT Requested (days): 122 Due Date Requested: Joshuc 7118112 2/16/22 7/15/122 Sample Date 2/15/12 2/15/12 2115112 27/5/12 2/15/12 2/16/22 2215112 2115122 Project #: 48024791 (315) 1 Poison B 1) Rust of Hornor Skin Irritant One Lincoln Center 110 West Fayette St, Suite 300 Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No (2.8.5.9 1.0.1 0.00 (S) (C) 58 00 (1.3-181) 9 Flammable National Grid - Dewey Avenue Site 5 Possible Hazard Identification 7 S 50 michael.jones@arcadis.com 1 3 Empty Kit Relinquished by: Custody Seals Intact:

△ Yes △ No Client Information Sample Identification Mr. Michael Jones Company: ARCADIS U.S. Inc 315-671-9211(Tel) Non-Hazard 21. Nehro 5 riduished by: inquished by: CT 1 State, Zip: NY, 13202 Syracuse

Ver: 06/08/202

curofinsEnvironment Testing

America

Cha

Eurofins Buffalo 10 Hazelwood Drive Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991

| Strice Conter 110 West Empire 81, Sulfa 300 | Client Information | 10000 | NOV. | 1 | Schov | Schove, John R | | Sade | ののこのでは、 | COC No: 480-170470-37024.11 | 0-37024.11 | |
|--|---|------------------------|----------------|--------------|-------------------|----------------|--------------------------|---------------------------|--------------------|-----------------------------------|---|---|
| 170 Vale Foyele St. Suite 300 Die Date Research 170 Vale Foyele St. Suite 300 Die Date Research 170 Vale Foyele St. Suite 300 Vale | Mr. Michael Jones | | 10-1416 | | E-Mail: John.S | chove@E | urofinset.com | State of Ori | 山つつた | Page: 4 : | we | Т |
| 10 West Fayerin St. Sulte 300 M Research 1999 M Activity Control St. Sulte 300 M Research 1999 M Activity Control St. Sulte 300 M Research 1999 M Activity Control St. Sulte 300 | Company: ARCADIS U.S. Inc | 8 | | PWSID: | | | | | #77 | Job #: | 2 | T |
| Contract | Address: One Lincoln Center 110 West Fayette St, Suite 300 | Due Date Requeste | iii | | | 0.5 | Alianys | s reduested | | Preservation | Codes: | T |
| Comparison Project A N D A R D Comparison Project | City: Syracuse | TAT Requested (da | 1 | | T | | | | | A - HCL B - NaOH | | |
| Column C | State, Zip: NY, 13202 | Compliance Project | - 0 | J. on | | | 12.10 | | | C - Zn Acetate D - Nitric Acid | | |
| 11-2000-000-000-000-000-000-000-000-000- | Phone: 315-671-9211(Tel) | Po#: Purchase Order | 1 8 | | | and K | k Fist o | | | F - MeOH G - Amchlor | | |
| Control | Email: michael.jones@arcadis.com | *OM | | | | | hoY w | | | H - Ascorbic A | | |
| Company Comp | Project Name: National Grid - Dewey Avenue Site | Project #: 48024791 | | | | | eM brsl | | | | V - MCAA W - pH 4-5 Z - other (specify) | |
| Sample Date Time Cagarb) Freemendance Case Cas | (m) - Diemay Avener | SSOW#: | | | James | ea) as | | | | | | |
| (1.2-1.3) | Sample Identification | Sample Date | Sample Time | | | MISM myotre9 | | | | | | |
| (13-1.9) | - 11 | V A | X | m | | Ż | - | | | | al Instructions/Note: | |
| (1.2-1.3) 2//6/22 CRUC C Solid X X X X | 2 (5.8.3. | 2/15/22 | 1401 |) | Solid | | ·× | | | | (4.7) | T |
| (1.2-1.3.1) 2/1/L/22 CPUL C Solid X X X | 7 2 | 2/15/22 | 1105 | V | Solid | | × | | | Basi | 1: 20 | |
| (1.1-3.1) 2/1/L/22 CFUL (Solid | - | 2/16/22 | Chic | 0 | Solid | × | × | | | 9 | 7 | |
| (5.3 - 3.4) 2 / 1/6 / 2 | (1.7-3 | 2114/22 | C941 | V | Solid | | > | | | 7 | 37.77 | |
| (1.2 - 1.3 4) 2/14/12 について Solid X X | (3.7.5 | 2/16/12 | 1125 | 7 | Solid | | × | | | | , (i) | |
| (1.2-1.7) (1.2-1.7) (1.3-3.1) (1.3-3.1) (1.3-3.1) (1.3-3.1) (1.3-3.1) (1.3-3.1) (1.3-3.1) (2.3-5.3.1) (3.3-5.3.1 | (5.7-7 | | 1124 | V | Solid | | メ | | | | actor | T |
| (3.2-1.3) | (1.7-3 | 21/4/12 | COLAC | 7 | Solid | × | × | | | | 4 7 | |
| (5.3 - 5.3) | | 2116/22 | 5363 | 7 | Solid | | × | | | 0 | 27 | |
| (5 → 5 → 5 → 5 → 5 → 5 → 5 → 5 → 5 → 5 → | | 21/4/22 | 0,000 | 0 | Solid | | × | | | * | Jest +C | |
| Solid Stand Identification Special Instructions/GC Requirements: Special Instructions/GC Requirements: Immerity Immer | (37-57 | 2/16/22 | Opil | U | Solid | | × | | | 7 | | T |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 mo caperated: I. II. IV. Other (specify) Special Instructions/QC Requirements: Inquished by: Date: Date: Date/Time: Date/Time: Date/Time: Company Received by: Company A no No | 3-11 (57-65) | 2/16/22 | 1141 |) | Solid | | × | | | * | | T |
| equested: 1, II, III, IV, Other (specify) Inquished by: Date: | le Skin Irritant | | | Sadiological | | Sample | Disposal (A fee m | ay be assessed | if samples are ret | tained longer th | an 1 month) | T |
| Inquished by: Date: Company Processed by: Company Processed | I, III, IV, Other (specify) | | | | | Special | Instructions/QC Req | Uisposal B juirements: | | Archive For | Months | T |
| Date/Time: Dat | Empty Kit Relinquished by: | | Date: | | | ime: | , | Metho | od of Shipment: | | | |
| Bate/Time: Company Received by: Date/Time: D | 1 | Date/Time: | 11440 | 0 | ompany | Resea | ved by Wed | | Date/Time: | 77 110 | | T |
| sals Intact: Custody Seal No.: Date/Time: Company Received by: Date/Time: A No. A No. Cooler Temperature(s) °C and Other Remarks | Reinquished by: | Date/Time: | | 0 | ompany | Rece | ved by: | | Date/Time: | +3/6+ | | T |
| Custody Seal No.: | | Date/Time: | | Ŏ | ompany | Rece | ved by: | | Date/Time: | | Company | |
| | | | | | | Coole | ır Temperature(s) °C and | Other Remarks | | | | T |
| | | | | | | | | | | | | |

Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991

Eurofins Buffalo

10 Hazelwood Drive

eurofins 💸

Environment Testing

S - H2SO4
T - TSP Dodecahydrate
T - Acetone
V - MCAA
W - pH 4-5
Z - other (specify) Special Instructions/Note: M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3 Months Company Sompany Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client ______ Disposal By Lab ______ Archive For_____ Mon Anclyze */101/x Andryze July 20 COC No: 480-170470-37024.12 Anelyze *HOLD Anclyze HOW Preservation Codes A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
F - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid Page: ディドミ Page **センド**20. Job#: I - Ice J - DI Water K - EDTA L - EDA SMacuse Total Number of containers Date/Time Aethod of Shipment: **Analysis Requested** Sooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements: E-Mail: John. Schove@Eurofinset.com \times X × × 8082A - TCL PCBs eRed by: Received by: PFC_IDA - PFAS - Standard New York List of 21 Lab PM: Schove, John R × STOD - 1,4 Dioxane (ON TO BEN'S MEN'S INTONE Hace Cit BT=Tissue, A=Air Solid Preservation Code: Matrix Solid Company Radiological STAMORED Sample (C=comp, G=grab) Type 315)486-1419 974 Compliance Project: A Yes A No Purchase Order Requested Sample CHC 1320 Sesher Time 012 1211 1305 1306 1041 Date: Unknown TAT Requested (days): Due Date Requested: CC/9// 2/16/22 2/16/22 Sample Date 2/16/33 2/16/22 2116/22 2/16/22 2/16/22 2/16/22 21/4/22 Project #: 48024791 SSOW#: Date/Time: J// Poison B Skin Irritant Coid-Durey Arrow One Lincoln Center 110 West Fayette St, Suite 300 Deliverable Requested: I, II, III, IV, Other (specify) 0 Custody Seal No. 0 5. 7 CC063160-0 S Flammable National Grid - Dewey Avenue Site 7.5 5-1.5 5,5 Possible Hazard Identification michael.jones@arcadis.com 0 Empty Kit Relinquished by: 37 60 S 1 Custody Seals Intact: Client Information 5 Sample Identification △ Yes △ No Mr. Michael Jones ARCADIS U.S. Inc 315-671-9211(Tel) Non-Hazard 3.6 - Sie 9-6 01 linquished by: 0-1 State, Zip: NY, 13202 1 i Syracuse 0

Ver: 06/08/2021

Definitions/Glossary

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Qualifiers

GC/MS Semi VOA

 Qualifier
 Qualifier Description

 S1+
 Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

S1- Surrogate recovery exceeds control limits, low biased.
U Indicates the analyte was analyzed for but not detected.

LCMS

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

Glossary

| | Abbreviation | These commonly | y used abbreviations may | y or may not be | present in this repo |
|--|--------------|----------------|--------------------------|-----------------|----------------------|
|--|--------------|----------------|--------------------------|-----------------|----------------------|

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-21 (1.2-1.7)

Lab Sample ID: 480-195076-1 Date Collected: 02/11/22 09:00 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 91.0

| Analyte | Result | Qua | alifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----|----------|---------------------|-------|-------|---------|----------------|----------------|---------|
| PCB-1016 | 0.21 | U | J | 0.21 | 0.040 | mg/Kg | <u></u> | 02/18/22 07:06 | 02/22/22 03:36 | 1 |
| PCB-1221 | 0.21 | U | 1 | 0.21 | 0.040 | mg/Kg | ☆ | 02/18/22 07:06 | 02/22/22 03:36 | 1 |
| PCB-1232 | 0.21 | U | - | 0.21 | 0.040 | mg/Kg | ☆ | 02/18/22 07:06 | 02/22/22 03:36 | 1 |
| PCB-1242 | 0.21 | U | | 0.21 | 0.040 | mg/Kg | ☆ | 02/18/22 07:06 | 02/22/22 03:36 | 1 |
| PCB-1248 | 0.21 | U | | 0.21 | 0.040 | mg/Kg | ☆ | 02/18/22 07:06 | 02/22/22 03:36 | 1 |
| PCB-1254 | 0.58 | | | 0.21 | 0.097 | mg/Kg | ☆ | 02/18/22 07:06 | 02/22/22 03:36 | 1 |
| PCB-1260 | 0.21 | U | V | 0.21 | 0.097 | mg/Kg | ₩ | 02/18/22 07:06 | 02/22/22 03:36 | 1 |
| Surrogate | %Recovery | Qua | alifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 94 | | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 03:36 | 1 |
| DCB Decachlorobiphenyl | 110 | | | 65 ₋ 174 | | | | 02/18/22 07:06 | 02/22/22 03:36 | 1 |
| Tetrachloro-m-xylene | 100 | | | 60 ₋ 154 | | | | 02/18/22 07:06 | 02/22/22 03:36 | 1 |
| Tetrachloro-m-xylene | 114 | | | 60 - 154 | | | | 02/18/22 07:06 | 02/22/22 03:36 | 1 |

Client Sample ID: B-21 (3.7-5.7) Lab Sample ID: 480-195076-3

Date Collected: 02/14/22 11:45 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 78.5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | 0.26 | UJ | 0.26 | 0.050 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:50 | 1 |
| PCB-1221 | 0.26 | U | 0.26 | 0.050 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:50 | 1 |
| PCB-1232 | 0.26 | U | 0.26 | 0.050 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:50 | 1 |
| PCB-1242 | 0.26 | U | 0.26 | 0.050 | mg/Kg | ⊅ | 02/18/22 07:06 | 02/22/22 03:50 | 1 |
| PCB-1248 | 0.26 | U | 0.26 | 0.050 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:50 | 1 |
| PCB-1254 | 0.26 | U | 0.26 | 0.12 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:50 | 1 |
| PCB-1260 | 0.26 | U 🗸 | 0.26 | 0.12 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:50 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 89 | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 03:50 | 1 |
| DCB Decachlorobiphenyl | 104 | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 03:50 | 1 |
| Tetrachloro-m-xylene | 99 | | 60 - 154 | | | | 02/18/22 07:06 | 02/22/22 03:50 | 1 |
| Tetrachloro-m-xylene | 107 | | 60 - 154 | | | | 02/18/22 07:06 | 02/22/22 03:50 | 1 |

Lab Sample ID: 480-195076-6 Client Sample ID: FD-02112022 Date Collected: 02/11/22 00:00 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 89.6

| Date Received: 02/16/22 16 | 5:40 | | | | | | | Percent Solid | S: 89.6 |
|-------------------------------|-----------------|------------|-------------|----------|-------|---------|----------------|----------------|---------|
| - Method: 8082A - Polychio | rinated Bipheny | yls (PCBs) | by Gas Chro | omatogra | aphy | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.27 | U J | 0.27 | 0.053 | mg/Kg | <u></u> | 02/18/22 07:06 | 02/22/22 04:03 | 1 |
| PCB-1221 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 04:03 | 1 |
| PCB-1232 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 04:03 | 1 |
| PCB-1242 | 0.27 | U | 0.27 | 0.053 | mg/Kg | ₩ | 02/18/22 07:06 | 02/22/22 04:03 | 1 |
| PCB-1248 | 0.90 | | 0.27 | 0.053 | mg/Kg | ₩ | 02/18/22 07:06 | 02/22/22 04:03 | 1 |
| PCB-1254 | 0.27 | U | 0.27 | 0.13 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 04:03 | 1 |
| PCB-1260 | 0.43 | V | 0.27 | 0.13 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 04:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 98 | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 04:03 | 1 |
| DCB Decachlorobiphenyl | 116 | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 04:03 | 1 |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: FD-02112022

Lab Sample ID: 480-195076-6 Date Collected: 02/11/22 00:00 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 89.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|------------------|---------|
| Tetrachloro-m-xylene | 100 | | 60 - 154 | 02/18/22 07:06 | 02/22/22 04:03 | 1 |
| Tetrachloro-m-xylene | 120 | | 60 - 154 | 02/18/22 07:06 | 6 02/22/22 04:03 | 1 |

Client Sample ID: B-22 (0.8-1.3)

Lab Sample ID: 480-195076-7 Date Collected: 02/14/22 10:50 **Matrix: Solid** Date Received: 02/16/22 16:40 **Percent Solids: 88.5**

| Method: 8082A - Polye | chlorinated Bipheny | Is (PCBs) by | y Gas Chro | matogr | aphy | | | | |
|-----------------------|---------------------|--------------|------------|--------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 2.1 | U | 2.1 | 0.40 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 13:44 | 10 |
| PCB-1221 | 2.1 | U | 2.1 | 0.40 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 13:44 | 10 |
| PCB-1232 | 2.1 | U | 2.1 | 0.40 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 13:44 | 10 |
| PCB-1242 | 2.1 | U | 2.1 | 0.40 | mg/Kg | ₩ | 02/18/22 07:06 | 02/23/22 13:44 | 10 |
| PCB-1248 | 2.1 | U | 2.1 | 0.40 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 13:44 | 10 |
| PCB-1254 | 2.1 | U | 2.1 | 0.96 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 13:44 | 10 |
| PCB-1260 | 25 | | 2.1 | 0.96 | mg/Kg | ₽ | 02/18/22 07:06 | 02/23/22 13:44 | 10 |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|---------------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 121 | 65 - 174 | 02/18/22 07:06 | 02/23/22 13:44 | 10 |
| DCB Decachlorobiphenyl | 129 | 65 - 174 | 02/18/22 07:06 | 02/23/22 13:44 | 10 |
| Tetrachloro-m-xylene | 90 | 60 - 154 | 02/18/22 07:06 | 02/23/22 13:44 | 10 |
| Tetrachloro-m-xylene | 104 | 60 - 154 | 02/18/22 07:06 | 02/23/22 13:44 | 10 |

Client Sample ID: B-22 (5.3-7.3)

Date Collected: 02/14/22 13:16 Matrix: Solid Date Received: 02/16/22 16:40 Percent Solids: 82.9

| Mothod: | SUSSA. | Polychlorinated | Rinhanyle | (PCRe) by | Gas Chromato | aranhy |
|----------|---------|-------------------------------------|-----------|-----------|----------------|---------|
| Metriou. | OUOZA : | - Poiveillorillateu | DIDITELLA | IPCDSIDV | Gas Cilionialo | urabiiv |

| | oa.oa o .po, | , (| , cas cinc | | ۰,۰۰۰ | | | | |
|----------|---------------------|-----------|------------|-------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.23 | UJ | 0.23 | 0.044 | mg/Kg | ☆ | 02/18/22 07:06 | 02/22/22 04:30 | 1 |
| PCB-1221 | 0.23 | U | 0.23 | 0.044 | mg/Kg | ₩ | 02/18/22 07:06 | 02/22/22 04:30 | 1 |
| PCB-1232 | 0.23 | U | 0.23 | 0.044 | mg/Kg | ₩ | 02/18/22 07:06 | 02/22/22 04:30 | 1 |
| PCB-1242 | 0.23 | U | 0.23 | 0.044 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 04:30 | 1 |
| PCB-1248 | 0.23 | U | 0.23 | 0.044 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 04:30 | 1 |
| PCB-1254 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ₩ | 02/18/22 07:06 | 02/22/22 04:30 | 1 |
| PCB-1260 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ₩ | 02/18/22 07:06 | 02/22/22 04:30 | 1 |
| | | | | | | | | | |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 96 | | 65 - 174 | 02/18/22 07:06 | 02/22/22 04:30 | 1 |
| DCB Decachlorobiphenyl | 114 | | 65 - 174 | 02/18/22 07:06 | 02/22/22 04:30 | 1 |
| Tetrachloro-m-xylene | 105 | | 60 - 154 | 02/18/22 07:06 | 02/22/22 04:30 | 1 |
| Tetrachloro-m-xylene | 115 | | 60 - 154 | 02/18/22 07:06 | 02/22/22 04:30 | 1 |

Client Sample ID: B-22 (3.3-5.3)

Date Collected: 02/14/22 13:15 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 92.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D |) | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----|-----|-------|---------------|---|----------------|----------------|---------|
| 1.4-Dioxane | 110 | U | 110 | 59 | ua/Ka | - | { | 02/21/22 08:20 | 02/22/22 17:52 | 1 |

Eurofins Buffalo

Lab Sample ID: 480-195076-10

Lab Sample ID: 480-195076-13

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-22 (3.3-5.3)

Lab Sample ID: 480-195076-13 Date Collected: 02/14/22 13:15 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 92.6

| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-------|------|-----|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 91 | | 54 - 120 | | | | 02/21/22 08:20 | 02/22/22 17:52 | 1 |
| 2-Fluorobiphenyl (Surr) | 93 | | 60 - 120 | | | | 02/21/22 08:20 | 02/22/22 17:52 | 1 |
| 2-Fluorophenol (Surr) | 78 | | 52 - 120 | | | | 02/21/22 08:20 | 02/22/22 17:52 | 1 |
| Nitrobenzene-d5 (Surr) | 85 | | 53 - 120 | | | | 02/21/22 08:20 | 02/22/22 17:52 | 1 |
| Phenol-d5 (Surr) | 79 | | 54 - 120 | | | | 02/21/22 08:20 | 02/22/22 17:52 | 1 |
| p-Terphenyl-d14 (Surr) | 99 | | 79 - 130 | | | | 02/21/22 08:20 | 02/22/22 17:52 | 1 |
| | | | | | | | | | |
| Method: 537 (Modified) - Fluor | | | | | | | | | |
| Analyte | | Qualifier | RL | MDL | | _ D | Prepared | Analyzed | Dil Fac |
| Perfluorohexanoic acid | 0.21 | | 0.21 | | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluoroheptanoic acid | 0.21 | | 0.21 | | ng/g | ₩ | 02/22/22 21:30 | | 1 |
| Perfluorooctanoic acid | 0.055 | | 0.21 | | ng/g | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluorononanoic acid | 0.21 | | 0.21 | | ng/g | ☼ | | 02/25/22 03:48 | 1 |
| Perfluorodecanoic acid | 0.21 | | 0.21 | | ng/g | ☼ | 02/22/22 21:30 | | 1 |
| Perfluorotridecanoic acid | 0.21 | U | 0.21 | | ng/g | ☼ | 02/22/22 21:30 | | 1 |
| Perfluorotetradecanoic acid | 0.21 | | 0.21 | | ng/g | ₩ | | 02/25/22 03:48 | 1 |
| Perfluorobutanesulfonic acid | 0.43 | U | 0.43 | 0.39 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluorohexanesulfonic acid | 0.21 | U | 0.21 | 0.020 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluorooctanesulfonic acid | 0.21 | U | 0.21 | 0.038 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| NEtFOSAA | 0.21 | U | 0.21 | | ng/g | ☼ | | 02/25/22 03:48 | 1 |
| NMeFOSAA | 0.21 | U | 0.21 | 0.033 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluoroheptanesulfonic acid | 0.21 | U | 0.21 | 0.021 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluorodecanesulfonic acid | 0.21 | U | 0.21 | 0.023 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluorooctanesulfonamide | 0.21 | U | 0.21 | 0.023 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluorobutanoic acid | 0.21 | U | 0.21 | 0.026 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluoroundecanoic acid | 0.21 | U | 0.21 | 0.060 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluorododecanoic acid | 0.21 | U | 0.21 | 0.025 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.21 | U | 0.21 | 0.053 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.21 | U | 0.21 | | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Perfluoropentanoic acid | 0.21 | U | 0.21 | 0.026 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 87 | | 15 - 200 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| M2-6:2 FTS | 98 | | 10 - 200 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C5 PFHxA | 84 | | 10 - 174 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C4 PFHpA | 80 | | 10 - 178 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C8 PFOA | 85 | | 26 - 159 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C9 PFNA | 83 | | 26 - 165 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C6 PFDA | 84 | | 26 - 161 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C7 PFUnA | 79 | | 12 - 173 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C2-PFDoDA | 78 | | 11 - 166 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C2 PFTeDA | 82 | | 10 - 169 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C3 PFBS | 88 | | 27 - 179 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C3 PFHxS | 89 | | 24 - 171 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C8 PFOS | 85 | | 41 - 154 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| d3-NMeFOSAA | 68 | | 10 - 178 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| d5-NEtFOSAA | 75 | | 10 - 193 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| 13C8 FOSA | 62 | | 14 - 163 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |
| | | | | | | | | | |
| 13C4 PFBA | 84 | | 28 - 153 | | | | 02/22/22 21:30 | 02/25/22 03:48 | 1 |

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-8 (1.5-2.0)

Lab Sample ID: 480-195076-15 Date Collected: 02/14/22 12:30 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 74.7

| Method: 8082A - Polychio | rinated Bipheny | yls (PCBs) | by Gas Chro | matogr | aphy | | | | |
|--------------------------|-----------------|------------|-------------|--------|-------|--------------|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 2.6 | U | 2.6 | 0.51 | mg/Kg | * | 02/18/22 07:06 | 02/23/22 13:56 | 10 |
| PCB-1221 | 2.6 | U | 2.6 | 0.51 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 13:56 | 10 |
| PCB-1232 | 2.6 | U | 2.6 | 0.51 | mg/Kg | ₩ | 02/18/22 07:06 | 02/23/22 13:56 | 10 |
| PCB-1242 | 41 | | 2.6 | 0.51 | mg/Kg | ₩ | 02/18/22 07:06 | 02/23/22 13:56 | 10 |
| PCB-1248 | 2.6 | U | 2.6 | 0.51 | mg/Kg | ₩ | 02/18/22 07:06 | 02/23/22 13:56 | 10 |
| PCB-1254 | 2.6 | U | 2.6 | 1.2 | mg/Kg | ₩ | 02/18/22 07:06 | 02/23/22 13:56 | 10 |
| PCB-1260 | 2.6 | U | 2.6 | 1.2 | mg/Kg | ₩ | 02/18/22 07:06 | 02/23/22 13:56 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 84 | | 65 - 174 | | | | 02/18/22 07:06 | 02/23/22 13:56 | 10 |
| DCB Decachlorobiphenyl | 91 | | 65 - 174 | | | | 02/18/22 07:06 | 02/23/22 13:56 | 10 |
| Tetrachloro-m-xylene | 78 | | 60 - 154 | | | | 02/18/22 07:06 | 02/23/22 13:56 | 10 |
| Tetrachloro-m-xylene | 85 | | 60 - 154 | | | | 02/18/22 07:06 | 02/23/22 13:56 | 10 |

Client Sample ID: B-8 (2.0-4.0) Lab Sample ID: 480-195076-16

Date Collected: 02/14/22 12:31 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 78.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | 0.30 | U J | 0.30 | 0.059 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:23 | 1 |
| PCB-1221 | 0.30 | U | 0.30 | 0.059 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:23 | 1 |
| PCB-1232 | 0.30 | U | 0.30 | 0.059 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:23 | 1 |
| PCB-1242 | 3.3 | | 0.30 | 0.059 | mg/Kg | ₽ | 02/18/22 07:06 | 02/22/22 03:23 | 1 |
| PCB-1248 | 0.30 | U | 0.30 | 0.059 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:23 | 1 |
| PCB-1254 | 0.30 | U | 0.30 | 0.14 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:23 | 1 |
| PCB-1260 | 0.30 | U 🗸 | 0.30 | 0.14 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 03:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 66 | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 03:23 | 1 |
| DCB Decachlorobiphenyl | 80 | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 03:23 | 1 |
| Tetrachloro-m-xylene | 79 | | 60 - 154 | | | | 02/18/22 07:06 | 02/22/22 03:23 | 1 |
| Tetrachloro-m-xylene | 86 | | 60 - 154 | | | | 02/18/22 07:06 | 02/22/22 03:23 | 1 |

Client Sample ID: B-17 (1.3-1.8) Lab Sample ID: 480-195076-18 Date Collected: 02/15/22 09:10 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 91.8

| Date Received. 02/10/22 10 | .+0 | | | | | | | ercent John | 3. 31.0 |
|----------------------------|-----------------|------------|-------------|--------|-------|--------------|----------------|----------------|---------|
| Method: 8082A - Polychlo | rinated Bipheny | /Is (PCBs) | by Gas Chro | matogr | aphy | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.27 | U | 0.27 | 0.052 | mg/Kg | * | 02/18/22 07:06 | 02/22/22 05:23 | 1 |
| PCB-1221 | 0.27 | U | 0.27 | 0.052 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:23 | 1 |
| PCB-1232 | 0.27 | U | 0.27 | 0.052 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:23 | 1 |
| PCB-1242 | 0.27 | U | 0.27 | 0.052 | mg/Kg | ₽ | 02/18/22 07:06 | 02/22/22 05:23 | 1 |
| PCB-1248 | 0.27 | U | 0.27 | 0.052 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:23 | 1 |
| PCB-1254 | 0.27 | U | 0.27 | 0.12 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:23 | 1 |
| PCB-1260 | 0.27 | U | 0.27 | 0.12 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 84 | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 05:23 | 1 |
| DCB Decachlorobiphenyl | 97 | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 05:23 | 1 |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-17 (1.3-1.8)

Lab Sample ID: 480-195076-18 Date Collected: 02/15/22 09:10 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 91.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene | 81 | | 60 - 154 | 02/18/22 07:06 | 02/22/22 05:23 | 1 |
| Tetrachloro-m-xylene | 92 | | 60 - 154 | 02/18/22 07:06 | 02/22/22 05:23 | 1 |

Client Sample ID: B-17 (3.8-5.8)

Date Collected: 02/15/22 11:50 Date Received: 02/16/22 16:40

13C5 PFHxA

13C4 PFHpA

13C8 PFOA

13C9 PFNA

13C6 PFDA

Lab Sample ID: 480-195076-20

Matrix: Solid Percent Solids: 76.5

| Analyte | Result | Qualifier | ` RL | MDI | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|--------------|----------------|----------------|---------|
| 1,4-Dioxane | 130 | | 130 | | ug/Kg | _ | | | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 131 | S1+ | 54 - 120 | | | | 02/21/22 08:20 | 02/22/22 18:17 | 1 |
| 2-Fluorobiphenyl (Surr) | 121 | S1+ | 60 - 120 | | | | 02/21/22 08:20 | 02/22/22 18:17 | 1 |
| 2-Fluorophenol (Surr) | 106 | | 52 - 120 | | | | 02/21/22 08:20 | 02/22/22 18:17 | 1 |
| Nitrobenzene-d5 (Surr) | 107 | | 53 - 120 | | | | 02/21/22 08:20 | 02/22/22 18:17 | 1 |
| Phenol-d5 (Surr) | 109 | | 54 - 120 | | | | 02/21/22 08:20 | 02/22/22 18:17 | 1 |
| p-Terphenyl-d14 (Surr) | 134 | S1+ | 79 - 130 | | | | 02/21/22 08:20 | 02/22/22 18:17 | 1 |

Method: 537 (Modified) - Fluorinated Alkyl Substances

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-------|------|--------------|----------------|----------------|---------|
| Perfluorohexanoic acid | 0.26 | U | 0.26 | 0.025 | ng/g | * | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluoroheptanoic acid | 0.26 | U | 0.26 | 0.031 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorooctanoic acid | 0.074 | J | 0.26 | 0.029 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorononanoic acid | 0.032 | J | 0.26 | 0.030 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorodecanoic acid | 0.26 | U | 0.26 | 0.031 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorotridecanoic acid | 0.26 | U | 0.26 | 0.027 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorotetradecanoic acid | 0.26 | U | 0.26 | 0.031 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorobutanesulfonic acid | 0.52 | U | 0.52 | 0.47 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorohexanesulfonic acid | 0.26 | U | 0.26 | 0.025 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorooctanesulfonic acid | 0.061 | J | 0.26 | 0.045 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| NEtFOSAA | 0.26 | U | 0.26 | 0.029 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| NMeFOSAA | 0.26 | U | 0.26 | 0.040 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluoroheptanesulfonic acid | 0.26 | U | 0.26 | 0.026 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorodecanesulfonic acid | 0.26 | U | 0.26 | 0.027 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorooctanesulfonamide | 0.26 | U | 0.26 | 0.027 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorobutanoic acid | 0.26 | U | 0.26 | 0.031 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluoroundecanoic acid | 0.26 | U | 0.26 | 0.073 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluorododecanoic acid | 0.26 | U | 0.26 | 0.030 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.26 | U | 0.26 | 0.063 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.26 | U | 0.26 | 0.022 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Perfluoropentanoic acid | 0.26 | U | 0.26 | 0.031 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 82 | | 15 - 200 | | | | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| M2-6:2 FTS | 96 | | 10 - 200 | | | | 02/22/22 21:30 | 02/25/22 03:59 | 1 |

Eurofins Buffalo

10 - 174

10 - 178

26 - 159

26 - 165

26 - 161

76

75

78

79

81

02/22/22 21:30 02/25/22 03:59

02/22/22 21:30 02/25/22 03:59

02/22/22 21:30 02/25/22 03:59

02/22/22 21:30 02/25/22 03:59

02/22/22 21:30 02/25/22 03:59

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-17 (3.8-5.8)

Lab Sample ID: 480-195076-20

 Date Collected: 02/15/22 11:50
 Matrix: Solid

 Date Received: 02/16/22 16:40
 Percent Solids: 76.5

| Isotope Dilution | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|---------------------|----------|----------------|----------------|---------|
| 13C7 PFUnA | 70 | 12 - 173 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| 13C2-PFDoDA | 78 | 11 - 166 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| 13C2 PFTeDA | 79 | 10 - 169 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| 13C3 PFBS | 84 | 27 - 179 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| 13C3 PFHxS | 85 | 24 - 171 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| 13C8 PFOS | 82 | 41 - 154 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| d3-NMeFOSAA | 81 | 10 - 178 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| d5-NEtFOSAA | 76 | 10 - 193 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| 13C8 FOSA | 66 | 14 - 163 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| 13C4 PFBA | 78 | 28 - 153 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |
| 13C5 PFPeA | 73 | 24 - 161 | 02/22/22 21:30 | 02/25/22 03:59 | 1 |

Client Sample ID: B-7 (1.2-1.7)

Date Collected: 02/15/22 09:50

Lab Sample ID: 480-195076-23

Matrix: Solid

Date Received: 02/16/22 16:40 Percent Solids: 83.8

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|--------------|----------------|----------------|---------|
| PCB-1016 | 0.24 | U | 0.24 | 0.047 | mg/Kg | - | 02/18/22 07:06 | 02/22/22 05:36 | 1 |
| PCB-1221 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:36 | 1 |
| PCB-1232 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:36 | 1 |
| PCB-1242 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ₽ | 02/18/22 07:06 | 02/22/22 05:36 | 1 |
| PCB-1248 | 6.4 | | 0.24 | 0.047 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:36 | 1 |
| PCB-1254 | 0.24 | U | 0.24 | 0.11 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:36 | 1 |
| PCB-1260 | 0.24 | U | 0.24 | 0.11 | mg/Kg | ₽ | 02/18/22 07:06 | 02/22/22 05:36 | 1 |

| | Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | DCB Decachlorobiphenyl | 91 | | 65 - 174 | 02/18/22 07:06 | 02/22/22 05:36 | 1 |
| | DCB Decachlorobiphenyl | 109 | | 65 - 174 | 02/18/22 07:06 | 02/22/22 05:36 | 1 |
| | Tetrachloro-m-xylene | 103 | | 60 - 154 | 02/18/22 07:06 | 02/22/22 05:36 | 1 |
| ı | Tetrachloro-m-xylene | 113 | | 60 - 154 | 02/18/22 07:06 | 02/22/22 05:36 | 1 |

Client Sample ID: B-7 (1.7-3.7)

Lab Sample ID: 480-195076-24

Date Collected: 02/15/22 09:51

Date Received: 02/16/22 16:40

Matrix: Solid
Percent Solids: 78.5

| | Date Received: 02/16/22 16:40 | | | | | | | | Percent Sono | S: /o.5 |
|---|--------------------------------|------------|-----------|--------|-----|-------|---------|----------------|----------------|---------|
| | Method: 8270D - Semivolatile (| Organic Co | mpounds (| GC/MS) | | | | | | |
| | Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| ı | 1,4-Dioxane | 130 | U | 130 | 69 | ug/Kg | <u></u> | 02/21/22 08:20 | 02/22/22 18:41 | 1 |

| 1,4-Dioxane | 130 U | 130 | 69 ug/Kg | | 02/22/22 18:41 | 1 |
|-----------------------------|---------------------|----------|----------|----------------|----------------|---------|
| Surrogate | %Recovery Qualifier | Limits | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 109 | 54 - 120 | | 02/21/22 08:20 | 02/22/22 18:41 | 1 |
| 2-Fluorobiphenyl (Surr) | 113 | 60 - 120 | | 02/21/22 08:20 | 02/22/22 18:41 | 1 |
| 2-Fluorophenol (Surr) | 96 | 52 - 120 | | 02/21/22 08:20 | 02/22/22 18:41 | 1 |
| Nitrobenzene-d5 (Surr) | 99 | 53 - 120 | | 02/21/22 08:20 | 02/22/22 18:41 | 1 |
| Phenol-d5 (Surr) | 100 | 54 - 120 | | 02/21/22 08:20 | 02/22/22 18:41 | 1 |
| p-Terphenyl-d14 (Surr) | 117 | 79 - 130 | | 02/21/22 08:20 | 02/22/22 18:41 | 1 |

| Method: 537 (Modified) - Flu | uorinated Alkyl Substance | S | | | | | |
|------------------------------|---------------------------|------|------------|----|----------------|----------------|---------|
| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
| Perfluorohexanoic acid | 0.049 .1 | 0.25 | 0.024 ng/g | ₹5 | 02/22/22 21:30 | 02/25/22 04:10 | 1 |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-7 (1.7-3.7)

Lab Sample ID: 480-195076-24

 Date Collected: 02/15/22 09:51
 Matrix: Solid

 Date Received: 02/16/22 16:40
 Percent Solids: 78.5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Perfluoroheptanoic acid | 0.039 | J | 0.25 | 0.031 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorooctanoic acid | 0.11 | J | 0.25 | 0.028 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorononanoic acid | 0.10 | J | 0.25 | 0.029 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorodecanoic acid | 0.031 | J | 0.25 | 0.031 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorotridecanoic acid | 0.25 | U | 0.25 | 0.027 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorotetradecanoic acid | 0.25 | U | 0.25 | 0.031 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorobutanesulfonic acid | 0.51 | U | 0.51 | 0.46 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorohexanesulfonic acid | 0.25 | U | 0.25 | 0.024 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorooctanesulfonic acid | 0.22 | J | 0.25 | 0.045 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| NEtFOSAA | 0.25 | U | 0.25 | 0.028 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| NMeFOSAA | 0.25 | U | 0.25 | 0.039 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluoroheptanesulfonic acid | 0.25 | U | 0.25 | 0.025 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorodecanesulfonic acid | 0.25 | U | 0.25 | 0.027 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorooctanesulfonamide | 0.25 | U | 0.25 | 0.027 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorobutanoic acid | 0.031 | J | 0.25 | 0.031 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluoroundecanoic acid | 0.25 | U | 0.25 | 0.071 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluorododecanoic acid | 0.25 | U | 0.25 | 0.029 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.25 | U | 0.25 | 0.062 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.25 | U | 0.25 | 0.022 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Perfluoropentanoic acid | 0.031 | J | 0.25 | 0.031 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 94 | | 15 - 200 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| M2-6:2 FTS | 96 | | 10 - 200 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C5 PFHxA | 80 | | 10 - 174 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C4 PFHpA | 78 | | 10 - 178 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C8 PFOA | 85 | | 26 - 159 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C9 PFNA | 82 | | 26 - 165 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C6 PFDA | 85 | | 26 - 161 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C7 PFUnA | 78 | | 12 - 173 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C2-PFDoDA | 78 | | 11 - 166 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C2 PFTeDA | 85 | | 10 - 169 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C3 PFBS | 92 | | 27 - 179 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C3 PFHxS | 89 | | 24 - 171 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C8 PFOS | 89 | | 41 - 154 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| d3-NMeFOSAA | 63 | | 10 - 178 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| d5-NEtFOSAA | 66 | | 10 - 193 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| 13C8 FOSA | 44 | | 14 - 163 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |
| | | | | | | | | | |
| 13C4 PFBA | 84 | | 28 - 153 | | | | 02/22/22 21:30 | 02/25/22 04:10 | 1 |

Client Sample ID: B-7 (3.7-5.1)

Date Collected: 02/15/22 13:45

Lab Sample ID: 480-195076-25

Matrix: Solid

Date Received: 02/16/22 16:40 Percent Solids: 78.3

| Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography | | | | | | | | | |
|--|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.22 | U | 0.22 | 0.042 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:49 | 1 |
| PCB-1221 | 0.22 | U | 0.22 | 0.042 | mg/Kg | ≎ | 02/18/22 07:06 | 02/22/22 05:49 | 1 |
| PCB-1232 | 0.22 | U | 0.22 | 0.042 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 05:49 | 1 |
| PCB-1242 | 0.22 | U | 0.22 | 0.042 | mg/Kg | ₽ | 02/18/22 07:06 | 02/22/22 05:49 | 1 |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-7 (3.7-5.1)

Lab Sample ID: 480-195076-25 Date Collected: 02/15/22 13:45 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 78.3

| Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued) | | | | | | | | | |
|--|--------|-----------|------|-------|-------|---------|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1248 | 0.22 | U | 0.22 | 0.042 | mg/Kg | <u></u> | 02/18/22 07:06 | 02/22/22 05:49 | 1 |
| PCB-1254 | 0.22 | U | 0.22 | 0.10 | mg/Kg | ₽ | 02/18/22 07:06 | 02/22/22 05:49 | 1 |
| PCB-1260 | 0.22 | U | 0.22 | 0.10 | mg/Kg | ₩ | 02/18/22 07:06 | 02/22/22 05:49 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|---------------------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 95 | | 65 - 174 | 02/18/22 07:06 | 02/22/22 05:49 | 1 |
| DCB Decachlorobiphenyl | 106 | | 65 - 174 | 02/18/22 07:06 | 02/22/22 05:49 | 1 |
| Tetrachloro-m-xylene | 106 | | 60 ₋ 154 | 02/18/22 07:06 | 02/22/22 05:49 | 1 |
| Tetrachloro-m-xylene | 116 | | 60 - 154 | 02/18/22 07:06 | 02/22/22 05:49 | 1 |

Client Sample ID: B-12 (1.3-1.8)

Date Collected: 02/15/22 10:35 Date Received: 02/16/22 16:40

Tetrachloro-m-xylene

Lab Sample ID: 480-195076-26 **Matrix: Solid** Percent Solids: 84.2

| Method: 8082A - Polycl | hlorinated Bipheny | Is (PCBs) by | y Gas Chro | matogr | aphy | | | | |
|------------------------|--------------------|--------------|------------|--------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 2.7 | U | 2.7 | 0.54 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 14:09 | 10 |
| PCB-1221 | 2.7 | U | 2.7 | 0.54 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 14:09 | 10 |
| PCB-1232 | 2.7 | U | 2.7 | 0.54 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 14:09 | 10 |
| PCB-1242 | 2.7 | U | 2.7 | 0.54 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 14:09 | 10 |
| PCB-1248 | 25 | J | 2.7 | 0.54 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 14:09 | 10 |
| PCB-1254 | 2.7 | U | 2.7 | 1.3 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 14:09 | 10 |
| PCB-1260 | 2.7 | U | 2.7 | 1.3 | mg/Kg | ₩ | 02/18/22 07:06 | 02/23/22 14:09 | 10 |

| Surrogate | %Recovery Qualific | er Limits | Prepared | Analyzed | Dil Fac |
|------------------------|--------------------|---------------------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 124 | 65 - 174 | 02/18/22 07:06 | 02/23/22 14:09 | 10 |
| DCB Decachlorobiphenyl | 132 | 65 ₋ 174 | 02/18/22 07:06 | 02/23/22 14:09 | 10 |
| Tetrachloro-m-xylene | 104 | 60 ₋ 154 | 02/18/22 07:06 | 02/23/22 14:09 | 10 |
| Tetrachloro-m-xylene | 116 | 60 - 154 | 02/18/22 07:06 | 02/23/22 14:09 | 10 |

Lab Sample ID: 480-195076-28 Client Sample ID: B-12 (3.8-5.8)

Date Collected: 02/15/22 13:15 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 81.8

| Analyte | | Result | Qualifie | r | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------|------------------|----------|---|---------------------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | | 0.26 | U | | 0.26 | 0.050 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 06:16 | 1 |
| PCB-1221 | | 0.26 | U | | 0.26 | 0.050 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 06:16 | 1 |
| PCB-1232 | | 0.26 | U | | 0.26 | 0.050 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 06:16 | 1 |
| PCB-1242 | 0.26 | 0.085 | J | U | 0.26 | 0.050 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 06:16 | 1 |
| PCB-1248 | | 0.26 | U | | 0.26 | 0.050 | mg/Kg | ≎ | 02/18/22 07:06 | 02/22/22 06:16 | 1 |
| PCB-1254 | | 0.26 | U | | 0.26 | 0.12 | mg/Kg | ≎ | 02/18/22 07:06 | 02/22/22 06:16 | 1 |
| PCB-1260 | | 0.26 | U | | 0.26 | 0.12 | mg/Kg | ☼ | 02/18/22 07:06 | 02/22/22 06:16 | 1 |
| Surrogate | | %Recovery | Qualifie | r | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | | 101 | | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 06:16 | 1 |
| DCB Decachlorobiphenyl | | 118 | | | 65 - 174 | | | | 02/18/22 07:06 | 02/22/22 06:16 | 1 |
| Tetrachloro-m-xylene | | 109 | | | 60 ₋ 154 | | | | 02/18/22 07:06 | 02/22/22 06:16 | 1 |

02/18/22 07:06 02/22/22 06:16

60 - 154

118

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Tetrachloro-m-xylene

Client Sample ID: B-2 (1.3-1.8)

Lab Sample ID: 480-195076-30

 Date Collected: 02/15/22 11:05
 Matrix: Solid

 Date Received: 02/16/22 16:40
 Percent Solids: 90.1

| Method: 8082A - Polychio Analyte | | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|-----------|-----------|---------------------|------|-------|---------|----------------|----------------|---------|
| PCB-1016 | 2.3 | U | 2.3 | 0.45 | mg/Kg | <u></u> | 02/18/22 07:06 | 02/23/22 14:22 | 10 |
| PCB-1221 | 2.3 | U | 2.3 | 0.45 | mg/Kg | ₽ | 02/18/22 07:06 | 02/23/22 14:22 | 10 |
| PCB-1232 | 2.3 | U | 2.3 | 0.45 | mg/Kg | ₽ | 02/18/22 07:06 | 02/23/22 14:22 | 10 |
| PCB-1242 | 2.3 | U | 2.3 | 0.45 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 14:22 | 10 |
| PCB-1248 | 35 | J | 2.3 | 0.45 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 14:22 | 10 |
| PCB-1254 | 2.3 | U | 2.3 | 1.1 | mg/Kg | ☼ | 02/18/22 07:06 | 02/23/22 14:22 | 10 |
| PCB-1260 | 2.3 | U | 2.3 | 1.1 | mg/Kg | ₩ | 02/18/22 07:06 | 02/23/22 14:22 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 117 | | 65 - 174 | | | | 02/18/22 07:06 | 02/23/22 14:22 | 10 |
| DCB Decachlorobiphenyl | 112 | | 65 - 174 | | | | 02/18/22 07:06 | 02/23/22 14:22 | 10 |
| Tetrachloro-m-xylene | 97 | | 60 ₋ 154 | | | | 02/18/22 07:06 | 02/23/22 14:22 | 10 |
| Tetrachloro-m-xylene | 107 | | 60 - 154 | | | | 02/18/22 07:06 | 02/23/22 14:22 | 10 |

Client Sample ID: B-2 (5.8-7.0)

Date Collected: 02/15/22 14:01

Date Received: 02/16/22 16:40

Lab Sample ID: 480-195076-33

Matrix: Solid

Percent Solids: 91.5

| Method: 8082A - Polychic | | | • | _ | | _ | | | 5 |
|--------------------------|-----------|------------------|---------------------|------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 5100 | U J | 5100 | 990 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 20:28 | 20000 |
| PCB-1221 | 5100 | υJ | 5100 | 990 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 20:28 | 20000 |
| PCB-1232 | 5100 | U <mark>J</mark> | 5100 | 990 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 20:28 | 20000 |
| PCB-1242 | 50000 | J | 5100 | 990 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 20:28 | 20000 |
| PCB-1248 | 5100 | U J | 5100 | 990 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 20:28 | 20000 |
| PCB-1254 | 5100 | U J | 5100 | 2400 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 20:28 | 20000 |
| PCB-1260 | 5100 | U J | 5100 | 2400 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 20:28 | 20000 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | | S1- | 65 - 174 | | | | 02/22/22 08:21 | 02/23/22 20:28 | 20000 |
| DCB Decachlorobiphenyl | 0 | S1- | 65 - 174 | | | | 02/22/22 08:21 | 02/23/22 20:28 | 20000 |
| Tetrachloro-m-xvlene | 0 | S1- | 60 ₋ 154 | | | | 02/22/22 08:21 | 02/23/22 20:28 | 20000 |

Client Sample ID: B-2 (1.3-1.8)

Date Collected: 02/15/22 11:05

Date Received: 02/16/22 16:40

Lab Sample ID: 480-195076-34

Matrix: Solid
Percent Solids: 88.8

60 - 154

0 S1-

| | 100011001101110110 | | | | | | | ordonic donic | 0. 00.0 |
|-----------------------------|--------------------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Method: 8270D - Semivola | tile Organic Co | mpounds | (GC/MS) | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,4-Dioxane | 550 | U | 550 | 300 | ug/Kg | ☼ | 02/21/22 08:20 | 02/22/22 17:29 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 102 | | 54 - 120 | | | | 02/21/22 08:20 | 02/22/22 17:29 | 5 |
| 2-Fluorobiphenyl (Surr) | 98 | | 60 - 120 | | | | 02/21/22 08:20 | 02/22/22 17:29 | 5 |
| 2-Fluorophenol (Surr) | 75 | | 52 - 120 | | | | 02/21/22 08:20 | 02/22/22 17:29 | 5 |
| Nitrobenzene-d5 (Surr) | 90 | | 53 - 120 | | | | 02/21/22 08:20 | 02/22/22 17:29 | 5 |
| Phenol-d5 (Surr) | 88 | | 54 - 120 | | | | 02/21/22 08:20 | 02/22/22 17:29 | 5 |
| p-Terphenyl-d14 (Surr) | 105 | | 79 - 130 | | | | 02/21/22 08:20 | 02/22/22 17:29 | 5 |
| | | | | | | | | | |

20000

02/22/22 08:21 02/23/22 20:28

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-2 (1.3-1.8)

Lab Sample ID: 480-195076-34

 Date Collected: 02/15/22 11:05
 Matrix: Solid

 Date Received: 02/16/22 16:40
 Percent Solids: 88.8

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|---------------------|-------|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid | 0.23 | U | 0.23 | 0.021 | ng/g | ☆ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluoroheptanoic acid | 0.23 | U | 0.23 | 0.027 | ng/g | ⇔ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorooctanoic acid | 0.23 | U | 0.23 | 0.025 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorononanoic acid | 0.23 | U | 0.23 | 0.026 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorodecanoic acid | 0.23 | U | 0.23 | 0.027 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorotridecanoic acid | 0.23 | U | 0.23 | 0.024 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorotetradecanoic acid | 0.23 | U | 0.23 | 0.027 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorobutanesulfonic acid | 0.45 | U | 0.45 | 0.41 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorohexanesulfonic acid | 0.23 | U | 0.23 | 0.021 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorooctanesulfonic acid | 0.056 | J | 0.23 | 0.039 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| NEtFOSAA | 0.23 | U | 0.23 | 0.025 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| NMeFOSAA | 0.23 | U | 0.23 | 0.035 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluoroheptanesulfonic acid | 0.23 | U | 0.23 | 0.023 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorodecanesulfonic acid | 0.23 | U | 0.23 | 0.024 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorooctanesulfonamide | 0.23 | U | 0.23 | 0.024 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorobutanoic acid | 0.23 | U | 0.23 | 0.027 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluoroundecanoic acid | 0.23 | U | 0.23 | 0.063 | | ≎ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluorododecanoic acid | 0.23 | U | 0.23 | 0.026 | | ≎ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.23 | U | 0.23 | 0.055 | | ≎ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.23 | U | 0.23 | 0.019 | | ₽ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Perfluoropentanoic acid | 0.23 | U | 0.23 | 0.027 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 101 | | 15 - 200 | | | | | 02/25/22 04:21 | |
| M2-6:2 FTS | 99 | | 10 - 200 | | | | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 13C5 PFHxA | 83 | | 10 - 174 | | | | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 13C4 PFHpA | 82 | | 10 - 178 | | | | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 13C8 PFOA | 87 | | 26 - 159 | | | | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 13C9 PFNA | 83 | | 26 - 165 | | | | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 13C6 PFDA | 87 | | 26 - 161 | | | | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 13C7 PFUnA | 76 | | 12 - 173 | | | | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 13C2-PFDoDA | 80 | | 11 - 166 | | | | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 13C2 PFTeDA | 83 | | 10 - 169 | | | | 02/22/22 21:30 | 02/25/22 04:21 | 1 |
| 13C3 PFBS | 91 | | 27 - 179 | | | | | 02/25/22 04:21 | 1 |
| 13C3 PFHxS | 93 | | 24 - 171 | | | | | 02/25/22 04:21 | 1 |
| 13C8 PFOS | 85 | | 41 - 154 | | | | | 02/25/22 04:21 | 1 |
| d3-NMeFOSAA | 74 | | 10 - 178 | | | | | 02/25/22 04:21 | 1 |
| d5-NEtFOSAA | 79 | | 10 - 193 | | | | | 02/25/22 04:21 | 1 |
| 13C8 FOSA | 63 | | 14 - 163 | | | | | 02/25/22 04:21 | 1 |
| 13C4 PFBA | 85 | | 28 ₋ 153 | | | | | 02/25/22 04:21 | 1 |
| | | | | | | | | | |

Client Sample ID: B-16 (1.2-1.7)

Date Collected: 02/16/22 09:40

Matrix: Solid

Date Received: 02/16/22 16:40

Lab Sample ID: 480-195076-35

Matrix: Solid

Percent Solids: 87.2

| Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography | | | | | | | | | | |
|--|----------|--------|-----------|------|-------|-------|--------------|----------------|----------------|---------|
| | Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | PCB-1016 | 0.22 | U | 0.22 | 0.043 | mg/Kg | * | 02/22/22 08:21 | 02/23/22 10:32 | 1 |
| | PCB-1221 | 0.22 | U | 0.22 | 0.043 | mg/Kg | ₽ | 02/22/22 08:21 | 02/23/22 10:32 | 1 |
| | PCB-1232 | 0.22 | U | 0.22 | 0.043 | mg/Kg | ₽ | 02/22/22 08:21 | 02/23/22 10:32 | 1 |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-16 (1.2-1.7)

Tetrachloro-m-xylene

Tetrachloro-m-xylene

p-Terphenyl-d14 (Surr)

Lab Sample ID: 480-195076-35 Date Collected: 02/16/22 09:40 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 87.2

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-------|-------|---|----------------|----------------|---------|
| PCB-1242 | 1.5 | | 0.22 | 0.043 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 10:32 | 1 |
| PCB-1248 | 0.22 | U | 0.22 | 0.043 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 10:32 | 1 |
| PCB-1254 | 0.22 | U | 0.22 | 0.10 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 10:32 | 1 |
| PCB-1260 | 0.22 | U | 0.22 | 0.10 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 10:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 92 | | 65 - 174 | | | | 02/22/22 08:21 | 02/23/22 10:32 | 1 |
| DCB Decachlorobiphenyl | 165 | | 65 - 174 | | | | 02/22/22 08:21 | 02/23/22 10:32 | 1 |

Client Sample ID: B-16 (3.7-5.7) Lab Sample ID: 480-195076-37

60 - 154

60 - 154

90

105

106

Date Collected: 02/16/22 11:25 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 69.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | 0.32 | U | 0.32 | 0.062 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 10:57 | 1 |
| PCB-1221 | 0.32 | U | 0.32 | 0.062 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 10:57 | 1 |
| PCB-1232 | 0.32 | U | 0.32 | 0.062 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 10:57 | 1 |
| PCB-1242 | 8.5 | | 0.32 | 0.062 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 10:57 | 1 |
| PCB-1248 | 0.32 | U | 0.32 | 0.062 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 10:57 | 1 |
| PCB-1254 | 0.32 | U | 0.32 | 0.15 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 10:57 | 1 |
| PCB-1260 | 0.32 | U | 0.32 | 0.15 | mg/Kg | ≎ | 02/22/22 08:21 | 02/23/22 10:57 | 1 |

| Surrogate | %Recovery Qua | ıalifier Limits | Prepared | Analyzed | Dil Fac |
|------------------------|---------------|-----------------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 103 | 65 - 174 | 02/22/22 08:21 | 02/23/22 10:57 | 1 |
| DCB Decachlorobiphenyl | 142 | 65 - 174 | 02/22/22 08:21 | 02/23/22 10:57 | 1 |
| Tetrachloro-m-xylene | 97 | 60 - 154 | 02/22/22 08:21 | 02/23/22 10:57 | 1 |
| Tetrachloro-m-xylene | 113 | 60 - 154 | 02/22/22 08:21 | 02/23/22 10:57 | 1 |

Client Sample ID: B-16 (1.7-3.7) Lab Sample ID: 480-195076-39 Date Collected: 02/16/22 09:40 **Matrix: Solid**

Date Received: 02/16/22 16:40 Percent Solids: 83.9

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|--------------|----------------|----------------|---------|
| 1,4-Dioxane | 120 | U | 120 | 64 | ug/Kg | * | 02/21/22 08:20 | 02/22/22 19:05 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 98 | | 54 - 120 | | | | 02/21/22 08:20 | 02/22/22 19:05 | 1 |
| 2-Fluorobiphenyl (Surr) | 102 | | 60 - 120 | | | | 02/21/22 08:20 | 02/22/22 19:05 | 1 |
| 2-Fluorophenol (Surr) | 82 | | 52 - 120 | | | | 02/21/22 08:20 | 02/22/22 19:05 | 1 |
| Nitrobenzene-d5 (Surr) | 88 | | 53 - 120 | | | | 02/21/22 08:20 | 02/22/22 19:05 | 1 |
| Phenol-d5 (Surr) | 87 | | 54 - 120 | | | | 02/21/22 08:20 | 02/22/22 19:05 | 1 |

| Method: 537 (Modified) - Fluorinated Alkyl Substances | | | | | | | | | |
|---|--------|-----------|------|-------|------|--------------|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Perfluorohexanoic acid | 0.24 | U | 0.24 | 0.023 | ng/g | * | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluoroheptanoic acid | 0.24 | U | 0.24 | 0.028 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |

79 - 130

Eurofins Buffalo

02/21/22 08:20 02/22/22 19:05

02/22/22 08:21 02/23/22 10:32

02/22/22 08:21 02/23/22 10:32

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-16 (1.7-3.7) Lab Sample ID: 480-195076-39

Date Collected: 02/16/22 09:40 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 83.9

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Perfluorooctanoic acid | 0.24 | U | 0.24 | 0.026 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorononanoic acid | 0.24 | U | 0.24 | 0.027 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorodecanoic acid | 0.038 | J | 0.24 | 0.028 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorotridecanoic acid | 0.24 | U | 0.24 | 0.025 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorotetradecanoic acid | 0.029 | J | 0.24 | 0.028 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorobutanesulfonic acid | 0.47 | U | 0.47 | 0.43 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorohexanesulfonic acid | 0.24 | U | 0.24 | 0.023 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorooctanesulfonic acid | 0.16 | J | 0.24 | 0.042 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| NEtFOSAA | 0.24 | U | 0.24 | 0.026 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| NMeFOSAA | 0.24 | U | 0.24 | 0.037 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluoroheptanesulfonic acid | 0.24 | U | 0.24 | 0.024 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorodecanesulfonic acid | 0.13 | J | 0.24 | 0.025 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorooctanesulfonamide | 0.24 | U | 0.24 | 0.025 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorobutanoic acid | 0.24 | U | 0.24 | 0.028 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluoroundecanoic acid | 0.067 | J | 0.24 | 0.066 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluorododecanoic acid | 0.15 | J | 0.24 | 0.027 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.24 | U | 0.24 | 0.058 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.24 | U | 0.24 | 0.020 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Perfluoropentanoic acid | 0.24 | U | 0.24 | 0.028 | ng/g | ☆ | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 100 | | 15 - 200 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| M2-6:2 FTS | 106 | | 10 - 200 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C5 PFHxA | 86 | | 10 - 174 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C4 PFHpA | 85 | | 10 - 178 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C8 PFOA | 89 | | 26 - 159 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C9 PFNA | 88 | | 26 - 165 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C6 PFDA | 90 | | 26 - 161 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C7 PFUnA | 87 | | 12 - 173 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C2-PFDoDA | 88 | | 11 - 166 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C2 PFTeDA | 89 | | 10 - 169 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C3 PFBS | 93 | | 27 - 179 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C3 PFHxS | 93 | | 24 - 171 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C8 PFOS | 90 | | 41 - 154 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| d3-NMeFOSAA | 62 | | 10 - 178 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| d5-NEtFOSAA | 67 | | 10 - 193 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C8 FOSA | 72 | | 14 - 163 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C4 PFBA | 87 | | 28 - 153 | | | | 02/22/22 21:30 | 02/25/22 04:54 | 1 |
| 13C5 PFPeA | 79 | | 24 - 161 | | | | 02/22/22 21:20 | 02/25/22 04:54 | 1 |

Client Sample ID: B-11 (1.2-1.7)

Lab Sample ID: 480-195076-40 Date Collected: 02/16/22 09:05 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 93.1

| Method: 8082A - Polychic | orinated Bipheny | ls (PCBs) b | (PCBs) by Gas Chromatography | | | | | | |
|--------------------------|------------------|-------------|------------------------------|-------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 11:10 | 1 |
| PCB-1221 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 11:10 | 1 |
| PCB-1232 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 11:10 | 1 |
| PCB-1242 | 0.41 | J | 0.23 | 0.045 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 11:10 | 1 |
| PCB-1248 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 11:10 | 1 |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-11 (1.2-1.7)

Tetrachloro-m-xylene

Lab Sample ID: 480-195076-40 Date Collected: 02/16/22 09:05 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 93.1

| Method: 8082A - Polychic Analyte | | Qualifier | RL | _ | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|-----------|-----------|----------|------|-------|---------|----------------|----------------|---------|
| PCB-1254 | 0.23 | U | 0.23 | 0.11 | mg/Kg | <u></u> | 02/22/22 08:21 | 02/23/22 11:10 | 1 |
| PCB-1260 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 11:10 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 93 | | 65 - 174 | | | | 02/22/22 08:21 | 02/23/22 11:10 | 1 |
| DCB Decachlorobiphenyl | 107 | | 65 - 174 | | | | 02/22/22 08:21 | 02/23/22 11:10 | 1 |
| Tetrachloro-m-xylene | 83 | | 60 - 154 | | | | 02/22/22 08:21 | 02/23/22 11:10 | 1 |
| | | | | | | | | | |

Client Sample ID: B-11 (3.7-5.7) Lab Sample ID: 480-195076-42

Date Collected: 02/16/22 11:40 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 77.1

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☆ | 02/22/22 08:21 | 02/23/22 11:23 | 1 |
| PCB-1221 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☆ | 02/22/22 08:21 | 02/23/22 11:23 | 1 |
| PCB-1232 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☆ | 02/22/22 08:21 | 02/23/22 11:23 | 1 |
| PCB-1242 | 0.50 | | 0.23 | 0.045 | mg/Kg | ☆ | 02/22/22 08:21 | 02/23/22 11:23 | 1 |
| PCB-1248 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☆ | 02/22/22 08:21 | 02/23/22 11:23 | 1 |
| PCB-1254 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ☆ | 02/22/22 08:21 | 02/23/22 11:23 | 1 |
| PCB-1260 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 11:23 | 1 |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|---------------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 93 | 65 - 174 | 02/22/22 08:21 | 02/23/22 11:23 | 1 |
| DCB Decachlorobiphenyl | 106 | 65 - 174 | 02/22/22 08:21 | 02/23/22 11:23 | 1 |
| Tetrachloro-m-xylene | 92 | 60 - 154 | 02/22/22 08:21 | 02/23/22 11:23 | 1 |
| Tetrachloro-m-xylene | 109 | 60 - 154 | 02/22/22 08:21 | 02/23/22 11:23 | 1 |

Client Sample ID: FD-02162022 Lab Sample ID: 480-195076-44

Date Collected: 02/16/22 00:00 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 91.8

| 10 1100011041 02/10/22 10/40 | | | | | | | | · Oroonic Gono | | | |
|--|-----------|-----------|----------|-------|-------|---|----------------|----------------|---------|--|--|
| Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography | | | | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | | |
| PCB-1016 | 0.21 | U | 0.21 | 0.040 | mg/Kg | ₽ | 02/22/22 08:21 | 02/23/22 11:36 | 1 | | |
| PCB-1221 | 0.21 | U | 0.21 | 0.040 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 11:36 | 1 | | |
| PCB-1232 | 0.21 | U | 0.21 | 0.040 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 11:36 | 1 | | |
| PCB-1242 | 0.21 | U | 0.21 | 0.040 | mg/Kg | ₽ | 02/22/22 08:21 | 02/23/22 11:36 | 1 | | |
| PCB-1248 | 0.21 | U | 0.21 | 0.040 | mg/Kg | ₽ | 02/22/22 08:21 | 02/23/22 11:36 | 1 | | |
| PCB-1254 | 0.21 | U | 0.21 | 0.097 | mg/Kg | ₽ | 02/22/22 08:21 | 02/23/22 11:36 | 1 | | |
| PCB-1260 | 0.21 | U | 0.21 | 0.097 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 11:36 | 1 | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac | | |
| DCB Decachlorobiphenyl | 81 | | 65 - 174 | | | | 02/22/22 08:21 | 02/23/22 11:36 | 1 | | |
| DCB Decachlorobiphenyl | 92 | | 65 - 174 | | | | 02/22/22 08:21 | 02/23/22 11:36 | 1 | | |
| Tetrachloro-m-xylene | 76 | | 60 - 154 | | | | 02/22/22 08:21 | 02/23/22 11:36 | 1 | | |

02/22/22 08:21 02/23/22 11:36

60 - 154

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-6 (1.0-1.5)

Lab Sample ID: 480-195076-45

 Date Collected: 02/16/22 10:40
 Matrix: Solid

 Date Received: 02/16/22 16:40
 Percent Solids: 83.0

| Method: 8082A - Polychic | rinated Bipheny | yls (PCBs) | by Gas Chro | omatogr | aphy | | | | |
|--------------------------|-----------------|------------|-------------|---------|-------|---------|----------------|----------------|---------|
| Analyte | | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.24 | U | 0.24 | 0.047 | mg/Kg | <u></u> | 02/22/22 08:21 | 02/23/22 11:49 | 1 |
| PCB-1221 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ≎ | 02/22/22 08:21 | 02/23/22 11:49 | 1 |
| PCB-1232 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ≎ | 02/22/22 08:21 | 02/23/22 11:49 | 1 |
| PCB-1242 | 0.34 | | 0.24 | 0.047 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 11:49 | 1 |
| PCB-1248 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 11:49 | 1 |
| PCB-1254 | 0.24 | U | 0.24 | 0.11 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 11:49 | 1 |
| PCB-1260 | 0.24 | U | 0.24 | 0.11 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 11:49 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 94 | | 65 - 174 | | | | 02/22/22 08:21 | 02/23/22 11:49 | 1 |
| DCB Decachlorobiphenyl | 111 | | 65 - 174 | | | | 02/22/22 08:21 | 02/23/22 11:49 | 1 |
| Tetrachloro-m-xylene | 88 | | 60 - 154 | | | | 02/22/22 08:21 | 02/23/22 11:49 | 1 |
| Tetrachloro-m-xylene | 103 | | 60 - 154 | | | | 02/22/22 08:21 | 02/23/22 11:49 | 1 |

Client Sample ID: B-6 (1.5-3.5)

Date Collected: 02/16/22 10:41

Date Received: 02/16/22 16:40

Lab Sample ID: 480-195076-46

Matrix: Solid

Percent Solids: 81.6

| Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--|--------------------|---|---|---|---|--|--|
| 0.28 | U | 0.28 | 0.055 | mg/Kg | * | 02/22/22 08:21 | 02/23/22 12:01 | 1 |
| 0.28 | U | 0.28 | 0.055 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 12:01 | 1 |
| 0.28 | U | 0.28 | 0.055 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 12:01 | 1 |
| 0.28 | J | 0.28 | 0.055 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 12:01 | 1 |
| 0.28 | U | 0.28 | 0.055 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 12:01 | 1 |
| 0.28 | U | 0.28 | 0.13 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 12:01 | 1 |
| 0.28 | U | 0.28 | 0.13 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 12:01 | 1 |
| %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| | 0.28 0.28 0.28 0.28 0.28 0.28 | Result Qualifier | 0.28 U 0.28 | 0.28 U 0.28 O.055 0.28 U 0.28 O.13 0.28 U 0.28 O.13 | 0.28 U 0.28 0.055 mg/Kg 0.28 U 0.28 0.055 mg/Kg 0.28 U 0.28 0.055 mg/Kg 0.28 J 0.28 0.055 mg/Kg 0.28 U 0.28 0.055 mg/Kg 0.28 U 0.28 0.13 mg/Kg 0.28 U 0.28 0.13 mg/Kg | 0.28 U 0.28 0.055 mg/Kg ☆ 0.28 U 0.28 0.13 mg/Kg ☆ 0.28 U 0.28 0.13 mg/Kg ☆ | 0.28 U 0.28 0.055 mg/Kg □ 02/22/22 08:21 0.28 U 0.28 0.13 mg/Kg □ 02/22/22 08:21 0.28 U 0.28 0.13 mg/Kg □ 02/22/22 08:21 | 0.28 U 0.28 0.055 mg/Kg ©2/22/22 08:21 02/23/22 12:01 0.28 U 0.28 0.055 mg/Kg ©02/22/22 08:21 02/23/22 12:01 0.28 U 0.28 0.055 mg/Kg ©02/22/22 08:21 02/23/22 12:01 0.28 J 0.28 0.055 mg/Kg ©02/22/22 08:21 02/23/22 12:01 0.28 U 0.28 0.055 mg/Kg ©02/22/22 08:21 02/23/22 12:01 0.28 U 0.28 0.055 mg/Kg ©02/22/22 08:21 02/23/22 12:01 0.28 U 0.28 0.13 mg/Kg ©02/22/22 08:21 02/23/22 12:01 0.28 U 0.28 0.13 mg/Kg ©02/22/22 08:21 02/23/22 12:01 0.28 U 0.28 0.13 mg/Kg ©02/22/22 08:21 02/23/22 12:01 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Anaiyzea | DII Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 92 | | 65 - 174 | 02/22/22 08:21 | 02/23/22 12:01 | 1 |
| DCB Decachlorobiphenyl | 102 | | 65 - 174 | 02/22/22 08:21 | 02/23/22 12:01 | 1 |
| Tetrachloro-m-xylene | 87 | | 60 - 154 | 02/22/22 08:21 | 02/23/22 12:01 | 1 |
| Tetrachloro-m-xylene | 104 | | 60 - 154 | 02/22/22 08:21 | 02/23/22 12:01 | 1 |

Client Sample ID: B-6 (1.0-1.5)

Date Collected: 02/16/22 12:11

Matrix: Solid

Date Received: 02/16/22 16:40

Lab Sample ID: 480-195076-48

Matrix: Solid

Percent Solids: 82.3

| | | | | | | | | or come | 0. 02.0 |
|-------------------------------|------------------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| - Method: 8270D - Semivola | itile Organic Co | mpounds | (GC/MS) | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,4-Dioxane | 120 | U | 120 | 65 | ug/Kg | ₩ | 02/21/22 08:20 | 02/22/22 19:29 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 107 | | 54 - 120 | | | | 02/21/22 08:20 | 02/22/22 19:29 | 1 |
| 2-Fluorobiphenyl (Surr) | 106 | | 60 - 120 | | | | 02/21/22 08:20 | 02/22/22 19:29 | 1 |
| 2-Fluorophenol (Surr) | 89 | | 52 - 120 | | | | 02/21/22 08:20 | 02/22/22 19:29 | 1 |
| Nitrobenzene-d5 (Surr) | 93 | | 53 - 120 | | | | 02/21/22 08:20 | 02/22/22 19:29 | 1 |
| Phenol-d5 (Surr) | 92 | | 54 - 120 | | | | 02/21/22 08:20 | 02/22/22 19:29 | 1 |
| p-Terphenyl-d14 (Surr) | 115 | | 79 - 130 | | | | 02/21/22 08:20 | 02/22/22 19:29 | 1 |
| | | | | | | | | | |

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-6 (1.0-1.5)

Lab Sample ID: 480-195076-48

 Date Collected: 02/16/22 12:11
 Matrix: Solid

 Date Received: 02/16/22 16:40
 Percent Solids: 82.3

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid | 0.24 | U | 0.24 | 0.023 | ng/g | ₩ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluoroheptanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorooctanoic acid | 0.033 | J | 0.24 | 0.027 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorononanoic acid | 0.24 | U | 0.24 | 0.028 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorodecanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorotridecanoic acid | 0.24 | U | 0.24 | 0.026 | ng/g | ≎ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorotetradecanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorobutanesulfonic acid | 0.49 | U | 0.49 | 0.44 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorohexanesulfonic acid | 0.24 | U | 0.24 | 0.023 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorooctanesulfonic acid | 0.24 | U | 0.24 | 0.043 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| NEtFOSAA | 0.24 | U | 0.24 | 0.027 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| NMeFOSAA | 0.24 | U | 0.24 | 0.038 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluoroheptanesulfonic acid | 0.24 | U | 0.24 | 0.024 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorodecanesulfonic acid | 0.24 | U | 0.24 | 0.026 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorooctanesulfonamide | 0.24 | U | 0.24 | 0.026 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorobutanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluoroundecanoic acid | 0.24 | U | 0.24 | 0.068 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluorododecanoic acid | 0.24 | U | 0.24 | 0.028 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 0.24 | U | 0.24 | 0.060 | ng/g | ₽ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 0.24 | U | 0.24 | 0.021 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Perfluoropentanoic acid | 0.24 | U | 0.24 | 0.029 | ng/g | ☼ | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| M2-8:2 FTS | 82 | | 15 - 200 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| M2-6:2 FTS | 80 | | 10 - 200 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C5 PFHxA | 73 | | 10 - 174 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C4 PFHpA | 75 | | 10 - 178 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C8 PFOA | 78 | | 26 - 159 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C9 PFNA | 82 | | 26 - 165 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C6 PFDA | 80 | | 26 - 161 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C7 PFUnA | 74 | | 12 - 173 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C2-PFDoDA | 79 | | 11 - 166 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C2 PFTeDA | 82 | | 10 - 169 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C3 PFBS | 80 | | 27 - 179 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C3 PFHxS | 80 | | 24 - 171 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C8 PFOS | 81 | | 41 - 154 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| d3-NMeFOSAA | 64 | | 10 - 178 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| d5-NEtFOSAA | 70 | | 10 - 193 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| 13C8 FOSA | 43 | | 14 - 163 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |
| | | | | | | | | | |
| 13C4 PFBA | 77 | | 28 - 153 | | | | 02/22/22 21:30 | 02/25/22 05:05 | 1 |

Client Sample ID: B-1(1.2-1.7)

Date Collected: 02/16/22 13:05

Date Received: 02/16/22 16:40

Lab Sample ID: 480-195076-50

Matrix: Solid

Percent Solids: 85.7

| Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography | | | | | | | | | | |
|--|--------|-----------|------|-------|-------|--------------|----------------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
| PCB-1016 | 0.20 | U | 0.20 | 0.040 | mg/Kg | * | 02/22/22 08:21 | 02/23/22 12:14 | 1 | |
| PCB-1221 | 0.20 | U | 0.20 | 0.040 | mg/Kg | ₽ | 02/22/22 08:21 | 02/23/22 12:14 | 1 | |
| PCB-1232 | 0.20 | U | 0.20 | 0.040 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 12:14 | 1 | |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-195076-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-1(1.2-1.7)

PCB-1260

PCB-1260

Lab Sample ID: 480-195076-50 Date Collected: 02/16/22 13:05 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 85.7

| Method: 8082A - Polychlori | nated Biphenyls (PCBs) by Gas Chromatography (Continued) | | | | | | | | |
|----------------------------|--|-----------|------|-------|-------|-------------|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1242 | 0.20 | U | 0.20 | 0.040 | mg/Kg | | 02/22/22 08:21 | 02/23/22 12:14 | 1 |
| PCB-1248 | 4.7 | | 0.20 | 0.040 | mg/Kg | ₽ | 02/22/22 08:21 | 02/23/22 12:14 | 1 |
| PCB-1254 | 0.20 | U | 0.20 | 0.095 | mg/Kg | ₽ | 02/22/22 08:21 | 02/23/22 12:14 | 1 |

0.20

0.095 mg/Kg

0.093 mg/Kg

02/22/22 08:21 02/23/22 12:14

© 02/22/22 08:21 02/23/22 08:36

0.20 U

0.20 U

| Surrogate | %Recovery | Qualifier L | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-------------|---------------------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 101 | | 65 ₋ 174 | 02/22/22 08:21 | 02/23/22 12:14 | 1 |
| DCB Decachlorobiphenyl | 112 | 6 | 65 ₋ 174 | 02/22/22 08:21 | 02/23/22 12:14 | 1 |
| Tetrachloro-m-xylene | 93 | 6 | 60 ₋ 154 | 02/22/22 08:21 | 02/23/22 12:14 | 1 |
| Tetrachloro-m-xylene | 108 | 6 | 60 ₋ 154 | 02/22/22 08:21 | 02/23/22 12:14 | 1 |

Client Sample ID: B-1(1.7-3.7) Lab Sample ID: 480-195076-51

Date Collected: 02/16/22 13:06 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 90.3

| Method: 8082A - Polych | ilorinated Bipheny | /Is (PCBs) b | y Gas Chro | matogr | aphy | | | | |
|------------------------|--------------------|--------------|------------|--------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.20 | U | 0.20 | 0.039 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 08:36 | 1 |
| PCB-1221 | 0.20 | U | 0.20 | 0.039 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 08:36 | 1 |
| PCB-1232 | 0.20 | U | 0.20 | 0.039 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 08:36 | 1 |
| PCB-1242 | 0.20 | U | 0.20 | 0.039 | mg/Kg | ₽ | 02/22/22 08:21 | 02/23/22 08:36 | 1 |
| PCB-1248 | 0.24 | | 0.20 | 0.039 | mg/Kg | ₩ | 02/22/22 08:21 | 02/23/22 08:36 | 1 |
| PCB-1254 | 0.20 | U | 0.20 | 0.093 | mg/Kg | ☼ | 02/22/22 08:21 | 02/23/22 08:36 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 96 | | 65 - 174 | 02/22/22 08:21 | 02/23/22 08:36 | 1 |
| DCB Decachlorobiphenyl | 123 | | 65 - 174 | 02/22/22 08:21 | 02/23/22 08:36 | 1 |
| Tetrachloro-m-xylene | 90 | | 60 - 154 | 02/22/22 08:21 | 02/23/22 08:36 | 1 |
| Tetrachloro-m-xylene | 111 | | 60 - 154 | 02/22/22 08:21 | 02/23/22 08:36 | 1 |

0.20

Definitions/Glossary

Job ID: 480-195076-3 Client: ARCADIS U.S. Inc

Project/Site: National Grid - Dewey Avenue Site

Qualifiers

GC Semi VOA

Qualifier Description Indicates the analyte was analyzed for but not detected.

Glossary

Qualifier

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid **CFU** Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" **MDA** Minimum Detectable Activity (Radiochemistry) **MDC** Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Client: ARCADIS U.S. Inc Job ID: 480-195076-3

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-2 (1.8-3.8)

Lab Sample ID: 480-195076-31 Date Collected: 02/15/22 11:06 **Matrix: Solid** Date Received: 02/16/22 16:40 Percent Solids: 86.6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|------|-------|--------------|----------------|----------------|---------|
| PCB-1016 | 2.8 | U | 2.8 | 0.56 | mg/Kg | * | 03/03/22 09:15 | 03/06/22 21:43 | 10 |
| PCB-1221 | 2.8 | U | 2.8 | 0.56 | mg/Kg | ☼ | 03/03/22 09:15 | 03/06/22 21:43 | 10 |
| PCB-1232 | 2.8 | U | 2.8 | 0.56 | mg/Kg | ☼ | 03/03/22 09:15 | 03/06/22 21:43 | 10 |
| PCB-1242 | 2.8 | U | 2.8 | 0.56 | mg/Kg | ⊅ | 03/03/22 09:15 | 03/06/22 21:43 | 10 |
| PCB-1248 | 15 | | 2.8 | 0.56 | mg/Kg | ☼ | 03/03/22 09:15 | 03/06/22 21:43 | 10 |
| PCB-1254 | 2.8 | U | 2.8 | 1.3 | mg/Kg | ☼ | 03/03/22 09:15 | 03/06/22 21:43 | 10 |
| PCB-1260 | 2.8 | U | 2.8 | 1.3 | mg/Kg | ☼ | 03/03/22 09:15 | 03/06/22 21:43 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 103 | | 65 - 174 | | | | 03/03/22 09:15 | 03/06/22 21:43 | 10 |
| DCB Decachlorobiphenyl | 127 | | 65 - 174 | | | | 03/03/22 09:15 | 03/06/22 21:43 | 10 |
| Tetrachloro-m-xylene | 121 | | 60 - 154 | | | | 03/03/22 09:15 | 03/06/22 21:43 | 10 |
| Tetrachloro-m-xylene | 123 | | 60 - 154 | | | | 03/03/22 09:15 | 03/06/22 21:43 | 10 |

Client Sample ID: B-2 (3.8-5.8) Lab Sample ID: 480-195076-32 Date Collected: 02/15/22 14:00 **Matrix: Solid**

Date Received: 02/16/22 16:40 Percent Solids: 85.8

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|---------------------|------|-------|---|----------------|----------------|---------|
| PCB-1016 | 0.53 | U | 0.53 | 0.10 | mg/Kg | ☼ | 03/03/22 09:15 | 03/06/22 21:57 | 2 |
| PCB-1221 | 0.53 | U | 0.53 | 0.10 | mg/Kg | ☼ | 03/03/22 09:15 | 03/06/22 21:57 | 2 |
| PCB-1232 | 0.53 | U | 0.53 | 0.10 | mg/Kg | ☼ | 03/03/22 09:15 | 03/06/22 21:57 | 2 |
| PCB-1242 | 0.53 | U | 0.53 | 0.10 | mg/Kg | ⊅ | 03/03/22 09:15 | 03/06/22 21:57 | 2 |
| PCB-1248 | 1.6 | | 0.53 | 0.10 | mg/Kg | ☼ | 03/03/22 09:15 | 03/06/22 21:57 | 2 |
| PCB-1254 | 0.53 | U | 0.53 | 0.25 | mg/Kg | ☼ | 03/03/22 09:15 | 03/06/22 21:57 | 2 |
| PCB-1260 | 0.53 | U | 0.53 | 0.25 | mg/Kg | ≎ | 03/03/22 09:15 | 03/06/22 21:57 | 2 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 65 | | 65 - 174 | | | | 03/03/22 09:15 | 03/06/22 21:57 | 2 |
| DCB Decachlorobiphenyl | 71 | | 65 ₋ 174 | | | | 03/03/22 09:15 | 03/06/22 21:57 | 2 |
| Tetrachloro-m-xylene | 83 | | 60 ₋ 154 | | | | 03/03/22 09:15 | 03/06/22 21:57 | 2 |
| Tetrachloro-m-xylene | 85 | | 60 - 154 | | | | 03/03/22 09:15 | 03/06/22 21:57 | 2 |



National Grid Dewey Avenue

Data Review Report

Buffalo, New York

Polychlorinated Biphenlys (PCBs) Analyses

SDG # J204973

Analyses Performed By:

SGS Laboratories, Inc. Dayton, New Jersey

Report #48974R Review Level: Tier II Project: 30094243 Task 04

Summary

This Data Review Report summarizes the review of Sample Delivery Group (SDG) # J204973 for samples collected in association with the National Grid Dewey/kensington Avenue site in Buffalo, New York. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

| Comple ID | Lability | Matrix | Sample | Parent | | Analysis | | | | |
|------------------|---------------|--------|--------------------|--------|-----|----------|-----|------|-----|------|
| Sample ID | Lab ID | Matrix | Collection Date | Sample | VOC | svoc | РСВ | PEST | MET | MISC |
| B-27 (0.75-1.25) | 480-204973-1 | Solid | 12/19/22 | | | | Х | | | |
| B-27 (2.75-4.75 | 480-204973-3 | Solid | 12/19/22 | | | | Х | | | |
| B-31 (1.0-1.5) | 480-204973-4 | Solid | 12/20/22 | | | | Х | | | |
| B-31 (5.0-7.0) | 480-204973-7 | Solid | 12/20/22 | | | | Х | | | |
| B-26 (1.0-1.5) | 480-204973-9 | Solid | 12/20/22 | | | | Х | | | |
| B-26 (3.0-4.2) | 480-204973-11 | Solid | 12/20/22 | | | | Х | | | |
| FD-12202022 | 480-204973-12 | Solid | 12/20/22 | | | | Х | | | |
| B-29 (0.7-1.2) | 480-204973-13 | Solid | 12/20/22 | | | | Х | | | |
| B-29 (4.7-5.9) | 480-204973-16 | Solid | 12/20/22 | | | | Х | | | |
| B-30 (1.0-1.5) | 480-204973-17 | Solid | 12/20/22 | | | | Х | | | |
| B-30 (5.0-7.0) | 480-204973-20 | Solid | 12/20/22 | | | | Х | | | |
| B-28 (1.0-1.5) | 480-204973-21 | Solid | 12/20/22 | | | | Х | | | |
| B-28 (3.0-5.0) | 480-204973-23 | Solid | 12/20/22 | | | | Х | | | |
| B-28 (5.0-5.9) | 480-204973-24 | Solid | 12/20/22 | | | | Х | | | |
| B-25 (1.0-1.5) | 480-204973-25 | Solid | 12/19/22 | | | | Х | | | |
| B-25 (3.0-4.2) | 480-204973-27 | Solid | 12/19/22 | | | | Х | | | |
| B-24 (1.2-1.7) | 480-204973-28 | Solid | 12/19/22 | | | | Х | | | |
| B-24 (3.2-5.0) | 480-204973-30 | Solid | 12/19/22 | | | | Х | | | |
| FD-12212022 | 480-204973-31 | Solid | 12/19/22 | | | | Х | | | |

Note: This data review only included PCB analysis

Analytical Data Package Documentation

The table below evaluates the data package completeness.

| Items Reviewed | Rep | orted | Performance Acceptable | | Not |
|---|-----|-------|---------------------------|-----|----------|
| | No | Yes | No | Yes | Required |
| Sample receipt condition | | X | | Х | |
| 2. Requested analyses and sample results | | Х | | Х | |
| Master tracking list | | Х | | Х | |
| 4. Methods of analysis | | Х | | Х | |
| 5. Reporting limitss | | Х | | Х | |
| 6. Sample collection date | | Х | | Х | |
| 7. Laboratory sample received date | | Х | | Х | |
| 8. Sample preservation verification (as applicable) | | Х | | Х | |
| Sample preparation/extraction/analysis dates | | Х | | Х | |
| 10. Fully executed chain-of-custody form | | Х | | Х | |
| 11. Narrative summary of QA or sample problems provided | | Х | | Х | |
| 12. Data package completeness and compliance | | X | | Х | |

Note:

QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8082A. Data were reviewed in accordance with USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review, EPA-540-R-20-005 (November 2020), and the USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review, EPA540/R-99/008, October 1999 (as applicable).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound is considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

Data Review Report

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Polychlorinated Biphenyls (PCBs) Analysis

1. Holding Times

The specified holding times for the following methods are presented in the table below.

| Method | Matrix | Holding Time | Preservation |
|-------------|--------|--------------------------------------|---------------|
| SW-846 8082 | Water | One year from collection to analysis | Cool to <6 °C |

Note:

s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for Aroclor 1016 and 1260 only. Single-point calibrations were performed for the remaining Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All Aroclors associated with calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that one of the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

Sample locations associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

| Sample Locations | Surrogate | Recovery |
|----------------------------------|----------------------|---------------------|
| B-28 (1.0-1.5) B-28 (5.0-5.9) | Tetrachloro-m-xylene | D |
| B-24 (3.2-5.0) FD-12212022 | Decachlorobiphenyl | D |
| D 27 (2 75 4 75) | Tetrachloro-m-xylene | > UL |
| B-27 (2.75-4.75) | Decachlorobiphenyl | AC |
| B-25 (1.0-1.5) | Tetrachloro-m-xylene | AC |
| B-23 (1.0-1.3) | Decachlorobiphenyl | <ll but="">10%</ll> |
| B-30 (1.0-1.5) | Tetrachloro-m-xylene | <ll but="">10%</ll> |
| B-30 (1.0-1.3) | Decachlorobiphenyl | <ll but="">10%</ll> |

Note:

AC = acceptable

D = diluted

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results are qualified as documented in the table below.

| Control Limit | Sample Result | Qualification |
|--|------------------|---------------|
| > the upper central limit (III.) | Non-detect | No Action |
| > the upper control limit (UL) | Detect | J |
| a the lower central limit (LL) but > 100/ | Non-detect | UJ |
| < the lower control limit (LL) but > 10% | Detect | J |
| < 10% | Non-detect | R |
| < 10% | Detect | J |
| One surrogate exhibiting recovery outside the control limits but > 10% | Non-detect | No Action |

| Control Limit | Sample Result | Qualification |
|--|------------------|---------------|
| | Detect | |
| Surrogates diluted below the calibration curve due to the high concentration | Non-detect | UJ/J¹ |
| of a target compound. | Detect | 03/3 |

Note:

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited recoveries and RPDs within the control limits.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil.

Results for duplicate samples are summarized in the following table.

| Sample ID/ Duplicate ID | Compound | Sample Result | Duplicate Result | RPD |
|---------------------------------|----------|------------------|---------------------|------|
| B-24 (3.2-5.0) / FD-12212022 | PCB-1242 | 600 | 300 | 66.7 |

A more concentrated analysis was not performed with surrogate compounds within the calibration range; therefore, no determination of extraction efficiency could be made.

The compound PCB-1242 associated with sample locations B-24 (3.2-5.0) and FD-12212022 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated.

9. Compound Identification

Compounds are identified on the GC by using the analytes relative retention time.

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the percent difference (%D) of detected sample results must be less than 25%.

Sample locations associated with %D analysis exhibiting recoveries outside of the control limits presented in the following table.

| Sample Locations | Compound | %D |
|---------------------|----------|------|
| B-27 (0.75-1.25) -1 | PCB-1260 | 28.5 |
| B-31 (5.0-7.0) -7 | PCB-1242 | 61.1 |
| FD-12202022 -12 | PCB-1242 | 58.1 |

The criteria used to evaluate the %D are presented in the following table. In the case of a %D deviation, the sample results are qualified as documented in the table below.

| Control Limit (%D) | Qualification |
|--|---------------|
| >25% to 70% | J |
| >70% to 100% | JN |
| >100% 1 | R |
| >100% to 200% (Interference detected) ² | J or JN |
| >50% (pesticide) sample results less than the RL) | U |

When the PCB sample results are less than the RL and the RPD greater than 50% the sample result are raised to the RL and reported as non-detect.

Note 1: If the pattern is confirmed sample results will be qualified as estimated (J). If pattern exhibits interference or if the PCB cannot be positively determined due to weathering the sample results will be qualified as tentative identification estimate (JN).

Note 2: If interference is detected in either column the sample results will be qualified as tentative identification estimate (JN).

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Organochlorine PCBs

| PCBs; SW-846 8082 | Rep | orted | | rmance eptable | Not Required |
|---|-----|-------|----|-------------------|-----------------|
| | No | Yes | No | Yes | - Required |
| GAS CHROMATOGRAPHY (GC/ECD) | | | | | |
| Tier II Validation | | | | | |
| Holding times | | X | | Х | |
| Reporting limits (units) | | Х | | Х | |
| Blanks | | | | | |
| A. Method blanks | | Х | | Х | |
| B. Equipment blanks | Х | | | | Х |
| Laboratory Control Sample (LCS) %R | | Х | | Х | |
| Laboratory Control Sample Duplicate (LCSD) %R | Х | | | | X |
| LCS/LCSD Precision (RPD) | Х | | | | X |
| Matrix Spike (MS) %R | | Х | | Х | |
| Matrix Spike Duplicate (MSD) %R | | Х | | Х | |
| MS/MSD Precision (RPD) | | Х | | Х | |
| Field/Lab Duplicate (RPD) | | Х | Х | | |
| Surrogate Spike Recoveries | | Х | Х | | |
| Column (RPD) | | Х | Х | | |
| Dilution Factor | | Х | | Х | |
| Moisture Content | Х | | | | X |
| Tier III Validation | | | | | |
| Initial calibration %RSDs | | Х | | Х | |
| Continuing calibration %Ds | | Х | | Х | |
| System performance and column resolution | | Х | | Х | |
| Compound identification and quantitation | | | | | |
| A. Quantitation Reports | | Х | | Х | |
| B. RT of sample compounds within the established RT windows | | Х | | Х | |
| C. Pattern identification | | Х | | X | |
| D. Transcription/calculation errors present | | Х | | X | |
| Reporting limits adjusted to reflect sample dilutions %RSD – relative standard deviation, %R - percent references. | | Х | | Х | |

Data Review Report

| PCBs; SW-846 8082 | Repo | orted | | rmance eptable | Not Required |
|-------------------|------|-------|----|-------------------|-----------------|
| | No | Yes | No | Yes | rtequireu |

GAS CHROMATOGRAPHY (GC/ECD)

%D – difference

Data Review Report

SAMPLE COMPLIANCE REPORT

DATA USABILITY SUMMARY REPORT

SAMPLE COMPLIANCE REPORT

| Sample | Delivery Samplin | | | | Compliancy ¹ | | | | | Newscame |
|-------------------------|------------------|--------|------------------|-----------|-------------------------|-----|------|-----|-----|--|
| Delivery Group (SDG) | | a Date | Protocol | Sample ID | Matrix | voc | svoc | РСВ | MET | MISC |
| | 12/19/22 | SW-846 | B-27 (0.75-1.25) | Solids | | | No | | | |
| | 12/19/22 | SW-846 | B-27 (2.75-4.75 | Solids | | | No | | | |
| | 12/20/22 | SW-846 | B-31 (1.0-1.5) | Solids | | | No | | | |
| | 12/20/22 | SW-846 | B-31 (5.0-7.0) | Solids | | | Yes | | | PCB – Column percent difference |
| | 12/20/22 | SW-846 | B-26 (1.0-1.5) | Solids | | | No | | | |
| | 12/20/22 | SW-846 | B-26 (3.0-4.2) | Solids | | | No | | | |
| | 12/20/22 | SW-846 | FD-12202022 | Solids | | | Yes | | | PCB – Column percent difference |
| | 12/20/22 | SW-846 | B-29 (0.7-1.2) | Solids | | | No | | | |
| | 12/20/22 | SW-846 | B-29 (4.7-5.9) | Solids | | | No | | | |
| | 12/20/22 | SW-846 | B-30 (1.0-1.5) | Solids | | | Yes | | | PCB – surrogate diluted out |
| 480-204973-1 | 12/20/22 | SW-846 | B-30 (5.0-7.0) | Solids | | | No | | | |
| | 12/20/22 | SW-846 | B-28 (1.0-1.5) | Solids | | | No | | | |
| | 12/20/22 | SW-846 | B-28 (3.0-5.0) | Solids | | | Yes | | | PCB – surrogate diluted out |
| | 12/20/22 | SW-846 | B-28 (5.0-5.9) | Solids | | | No | | | |
| | 12/19/22 | SW-846 | B-25 (1.0-1.5) | Solids | | | Yes | | | PCB – surrogate diluted out |
| | 12/19/22 | SW-846 | B-25 (3.0-4.2) | Solids | | | No | | | |
| | 12/19/22 | SW-846 | B-24 (1.2-1.7) | Solids | | | No | | | |
| | 12/19/22 | SW-846 | B-24 (3.2-5.0) | Solids | | | Yes | | | PCB – surrogate diluted out, Field duplicate RPD |
| | 12/19/22 | SW-846 | FD-12212022 | Solids | | | Yes | | | PCB – surrogate diluted out, Field duplicate RPD |

DATA USABILITY SUMMARY REPORT

Note:

- Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Todd Church

SIGNATURE:

DATE: March 20, 2023

PEER REVIEW: Dennis Capria

DATE: March 23, 2023

| Chain of Custody | Corrected Samp | ole Analysis Data | Sheets |
|------------------|----------------|-------------------|--------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Eurotins Buffalo10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

💸 eurofins

Environment Testing

| in the factor of | Sampler | | | Lab PM: | | | Corrior Tennels and Market | | |
|--|-----------------------|------------|--------------------------|---------------------------------|--------------------------------------|---|-----------------------------|--------------------------------|--|
| Client Contact: | Jashye | -3 | 19 | Schov | Schove, John R | | Carrier Hacking NO(s): | COC No: | 7 707 |
| Mr. Michael Jones | Phone: | 1-05h | 610 | E-Mail: | 9000 | | State of Origin: | Page: | |
| Company: | - | | PWSID | | acuone@el | our conoverget euronnsus com | 25 | Page 1 of 6€ | |
| Address: | | | | | | Analysis Requested | nested | Job # | |
| One Lincoln Center 110 West Fayette St, Suite 300 | Due Date Requested: | | | , | (2) by 44) | * | | Preservation Codes: | des: |
| Ciny | TAT Requested (days): | | | | | -Ma | | A - HCL | M - Hexane N - None |
| State, Zip: NY, 13202 | Compliance Project: | A Yes A No | O | | - 1.C.17 | # JY | | C - Zn Acetate D - Nitric Acid | 0 - AsNaO2 P - Na2O4S |
| Phone: 315-671-9211(Tel) | PO# | 400 | | T | ou acres | 7* | — — — | E - NaHSO4 F - MeOH | C - Na2SO3 R - Na2S2O3 S - H2SO4 |
| Email: michael.jones@arcadis.com | ,#OM | chaesten | | (0)4 20 | ાંગુલ | | | Johnstein | T - TSP Dodecahydrate U - Acetone |
| Project Name: National Grid - Dewey Avenue Site | Project #: 48024791 | | | 1 | M 10 | 470 | | | V - MCAA W - pH 4-5 Y - Trizma |
| Sie. Natrent 1500- Deveny Avenue Sik | SSOW#: | | | | SD (Yes | 480-204 | 480-204973 Chain of Custody | | Z - other (specify) |
| | | Sample | Sample Type C=comp | Matrix (w-water, S-solid, | d Filtered S MS/M mnot TOL PCE | | | l Mumit | |
| Sample Identification | Sample Date | 145 | | E 16 | 808 | 78 | | | Special Instructions/Note: |
| 8-27 (0,15-1.25) | 12/19/122 | 1 |) | Solid | > | | | X | |
| B-27 (1.25-2.75) | | 1330 | 0 | Solid | ۷ | × | | 100 | |
| B-27 (2.75-4.75) | 12/19/22 19 | 27/1 | 7 | Solid | × | | | HICC | 4K(4)1E |
| | 12/20122 C | 2280 | j | Solid | × | | | | |
| -31 | 3 | 0205 | 7 | Solid | | × | | 10. | 10 |
| B-31 (3.0-5.0) | | 1430 | J | Solid | | × | | 101 | #1.CE |
| B-31 (5,0.7.0) | | 1431 | C | Solid | × | | | J. MCIII | IMC) X |
| | 2 | 1435 | J | Solid | | * | | AC | ACCILINE ACCILINE |
| 9 | |) ICC) | J | Solid | × | | | | |
| B-26 (15-3.2) | | 1100 | J | Solid | | × | | 40 | AGCHINE |
| B-26 (3.0-4.2) | D | 240 | J | Solid | × | | | - 1.4° | |
| Skin Imitant | Poison B | | legipoloiped | | Sample | le Disposal (A fee may be as | ples are re | ained longer than | 1 month) |
| | | | in the second | | Special I | Requirem | osal by Lab | Archive For | Months |
| Empty Kit Relinquished by: | Ö | ate: | | | Time: | | Method of Shipment: | | |
| Reinquist Dy | Date/Time: 12 | //:iq | | Company LD | | Received by: | Date/Time: | | Сотрапу |
| Relinquished by: | Date/Time: | | | Company | Recei | Received by: | . Date/Time: | | Company |
| r | Date/Time: | | | Company | Recei | Received by: | Date/Time: | 0711 22 | Company |
| Custody Seals Intact: Custody Seal No.: | 4 | | | | Coole | Cooler Temperature(s) & and Other Remarks | narks: 3.5 | 一十 | |
| | | | | | | | | | Ver: 06/08/2021 |

Environment Testing

Phone: 716-691-2600 Fax: 716-691-7991

Amherst, NY 14228-2298

יייי בעוומוס

10 Hazelwood Drive

N - None
O - AsNaO2
P - Na2O45
Q - Na2SO3
R - Na2SO3
S - H2SO4
T - TSP Dodecahydrate Special Instructions/Note: Z - other (specify) U - Acetone V - MCAA W - pH 4-5 Company Company Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon ACCHUE COC No: 480-180040-38491.2 ARCHIVE reservation Codes & RICH INF ARCHIVE A - HCL
B - NaOH
C - Zn Acetate
C - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid Page: Page 2 of 6 02/ J - Di Water K - EDTA Total Number of containers 22.12.7 Date/Time: Date/Time: Date/Time Method of Shipment: State of Origin Carrier Tracking No(s) **Analysis Requested** Cooler Temperathe(s) C and Other Remarks Special Instructions/QC Requirements: John. Schove@et. eurofinsus.com Received by: Received by: Received by: * ARCHIVEY X × X × × Lab PM: Schove, John R × × × × TCL PCBs Perform MS/MSD (Yes or No) Time: Company BT=Tissue, A=Air) (Wewater, S=solid, O=waste/oil, Preservation Code: Matrix Solid Company Sompany Radiological (C=comp, G=grab) (315) USG -1415 Sample Type Sompliance Project: △ Yes △ No despire 16/16 61:11 Purchase Order Requested Sample 1450 0740 1035 350 1340 1330 12.15 1500 Time 1420 3 STANDARD Unknown Date: (AT Requested (days): Due Date Requested: Date/Time: | 2/21/22 Sample Date 12/20122 Project #: 48024791 SSOW#: Date/Time: #OM Poison B (harry harry Skin Irritant One Lincoln Center 110 West Fayette St, Suite 300 Deliverable Requested: 1, II, III, IV, Other (specify) Custody Seal No. (4.7-5.7) 30-50) Flammable Project Name: National Grid - Dewey Avenue Site (1.2-2.7) th-67) (1530) 50-7.0 (0.1 - 1.2)(1.0-1.5) Possible Hazard Identification (1.0-1.5) FD-1220202 michael.jones@arcadis.com Empty Kit Relinquished by: Custody Seals Intact: △ Yes △ No Client Information Sample Identification NO CATALON ARCADIS U.S. Inc 315-671-9211(Tel) 1) chare Non-Hazard Mr. Michael Jones 6-30 B-29 -29 -29 -30 B.29 B-23 Relinquished by: Relinquished by State, Zip: NY, 13202 City: Syracuse

Ver: 06/08/2021

Page 843 of 845

Chain of Custody Record

💸 eurofins Environment Testin

| Client Information | Sample | 1 | 1 | Schove, John R | John R | Carrier Tracking No(s): | COC No: |
|--|----------------------------------|-----------|--|---|--|-------------------------------|--|
| Client Contact: | Phone: | 1 | 3 | E-Mail: | | State of Origin: | 480-180040-38491.3 |
| Mr. Michael Jones Company: | (315) | とうない | 517 | John.Sc | John. Schove@et.eurofinsus.com | DO. | Page: |
| ARCADIS U.S. Inc | | | T WOID | | Analy | Analysis Requested | Job #: |
| Address: One Lincoln Center 110 West Fayette St, Suite 300 | Due Date Requested: | ij | | | * | | Preservation Codes: |
| City. Syracuse | TAT Requested (days): | ys): | | | 3/11 | | ΣZ |
| State, Zip: NY, 13202 | Compliance Project: | UDA C | 9 | | #JJ J | | |
| Phone: 315-671-9211(Tel) | PO # Purchase Order Requested | Requested | | | */ x | | F - MeOH R - Na2S203 F - MeOH S - H2S04 G - Amchlor S - H2S04 |
| Email: michael.jones@arcadis.com | #OM | | | (ON 10) | | | H - Ascorbic Acid T - TSP Dodecahydrate L - Ice V - MCAA |
| Project Name. National Grid - Dewey Avenue Site | Project #: 48024791 | | | SOA) | N TO B | | J - DI Water K - EDTA L - EDA |
| SIE. Netson el Gand - Deway Arona Six | SSOW#: | | | eldmes | | | Other: |
| Samula Identification | | Sample | | Matrix (W=water, S=solid, O=waste/oil, Bild | ASS OF SEA | | o 1edmuM la |
| Odiniple Identification | Sample Date | Lime | G=grab) BT=Tissue, A=A Preservation Code | F 1 | - | | Special Instructions/Note: |
| R-28 (3.0-5.0) | 12/20122 | 15.30 | J | Solid | × | | |
| (F.2.0.5) 82-8 | 12/20122 | 1535 | | Solid | × | | |
| 8-25 (10-1.5) | 12/21/22 | 0815 | 7 | Solid | × | | |
| 8-25 (1.5-3.0) | | 0350 | O O | Solid | * | | 4 QC WING |
| 9 | | 2280 | V | Solid | × | | X AK MICOX |
| 3-24 (12-1.7) | | 0840 | J | Solid | × | | |
| 7 42- | | 0345 | 7 | Solid | × | | 4011111 |
| 3-24 (3.2-5.c) | | 5160 | J | Solid | × | | |
| FD- 12212022 | Ð | ١ | J | Solid | × | | |
| | | | (| Solid | | | |
| | | U | 1 | -Solid | | | |
| ant | Poison B Unknown | | Radiological | | Sample Disposal (A fee I | may be assessed if samples a | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) |
| | | | | | Special Instructions/QC Requirements: | Usposal By Lab quirements: | Archive For Months |
| Empty Kit Relinquished by: | | Date: | | Time | .e. | Method of Shipment: | |
| Keinemster / CO. | Date/Time: (2/2/22 | 61:11 | | Company | Received by: | Date/Time | Company |
| Relinquished by: | Date/Time: | | | Company | Received by: | Date/Time | Company |
| 1 | Date/Time: | | ŏ | Company | Received by: | Date/Time: | |
| Custody Seals Intact: Custody Seal No.: △ Yes △ No | | | | | Cooler Temperature(s) °C and Other Remarks | d Other Remarks. | 1,1, |
| | | | | | | | Ver: 06/08/2021 |

Definitions/Glossary

Client: ARCADIS U.S. Inc Job ID: 480-204973-1

Project/Site: National Grid - Dewey Avenue Site

Qualifiers

TNTC

Too Numerous To Count

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |
| | |

| 31+ | Surrogate recovery exceeds control limits, high biased. |
|----------------|---|
| U | Indicates the analyte was analyzed for but not detected. |
| Glossary | |
| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| | |

Client: ARCADIS U.S. Inc Job ID: 480-204973-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-27 (0.75-1.25)

Lab Sample ID: 480-204973-1 Date Collected: 12/19/22 13:00 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 87.9

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|------|-------|--------------|----------------|----------------|---------|
| PCB-1016 | 2.7 | U | 2.7 | 0.52 | mg/Kg | * | 12/22/22 09:05 | 12/29/22 18:49 | 10 |
| PCB-1221 | 2.7 | U | 2.7 | 0.52 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 18:49 | 10 |
| PCB-1232 | 2.7 | U | 2.7 | 0.52 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 18:49 | 10 |
| PCB-1242 | 27 | | 2.7 | 0.52 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 18:49 | 10 |
| PCB-1248 | 2.7 | U | 2.7 | 0.52 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 18:49 | 10 |
| PCB-1254 | 2.7 | U | 2.7 | 1.3 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 18:49 | 10 |
| PCB-1260 | 2.4 | J | 2.7 | 1.3 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 18:49 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 90 | | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 18:49 | 10 |
| DCB Decachlorobiphenyl | 67 | | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 18:49 | 10 |
| Tetrachloro-m-xylene | 88 | | 60 - 154 | | | | 12/22/22 09:05 | 12/29/22 18:49 | 10 |
| Tetrachloro-m-xylene | 83 | | 60 - 154 | | | | 12/22/22 09:05 | 12/29/22 18:49 | 10 |

Client Sample ID: B-27 (2.75-4.75)

Lab Sample ID: 480-204973-3 Date Collected: 12/19/22 14:00 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 87.0

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 19:58 | 1 |
| PCB-1221 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:58 | 1 |
| PCB-1232 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:58 | 1 |
| PCB-1242 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:58 | 1 |
| PCB-1248 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:58 | 1 |
| PCB-1254 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:58 | 1 |
| PCB-1260 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:58 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 65 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 19:58 | 1 |
| DCB Decachlorobiphenyl | 67 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 19:58 | 1 |

Tetrachloro-m-xylene 12/22/22 09:05 12/27/22 19:58 45 S1-60 - 154 Tetrachloro-m-xylene 60 - 154 12/22/22 09:05 12/27/22 19:58

Client Sample ID: B-31 (1.0-1.5) Lab Sample ID: 480-204973-4 Date Collected: 12/20/22 08:20 **Matrix: Solid**

| Date Received: 12/21/22 11 | :20 | | | | | | | Percent Solid | s: 87.1 |
|----------------------------|-----------------|-----------|-------------|---------|---------|-----|----------------|----------------|---------|
| Method: SW846 8082A - F | Polychlorinated | Biphenyls | (PCBs) by G | as Chro | matogra | phy | | | |
| Analyte | • | Qualifier | RL | MDL | _ | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 2.5 | U | 2.5 | 0.48 | mg/Kg | ☆ | 12/22/22 09:05 | 12/29/22 19:03 | 10 |
| PCB-1221 | 2.5 | U | 2.5 | 0.48 | mg/Kg | ☆ | 12/22/22 09:05 | 12/29/22 19:03 | 10 |
| PCB-1232 | 2.5 | U | 2.5 | 0.48 | mg/Kg | ☆ | 12/22/22 09:05 | 12/29/22 19:03 | 10 |
| PCB-1242 | 18 | | 2.5 | 0.48 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 19:03 | 10 |
| PCB-1248 | 2.5 | U | 2.5 | 0.48 | mg/Kg | ☆ | 12/22/22 09:05 | 12/29/22 19:03 | 10 |
| PCB-1254 | 2.5 | U | 2.5 | 1.2 | mg/Kg | ☆ | 12/22/22 09:05 | 12/29/22 19:03 | 10 |
| PCB-1260 | 1.4 | J | 2.5 | 1.2 | mg/Kg | ₽ | 12/22/22 09:05 | 12/29/22 19:03 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 98 | | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 19:03 | 10 |
| DCB Decachlorobiphenyl | 76 | | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 19:03 | 10 |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-204973-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-31 (1.0-1.5)

Lab Sample ID: 480-204973-4 Date Collected: 12/20/22 08:20 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 87.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene | 92 | | 60 - 154 | 12/22/22 09:03 | 12/29/22 19:03 | 10 |
| Tetrachloro-m-xylene | 93 | | 60 - 154 | 12/22/22 09:0 | 12/29/22 19:03 | 10 |

Client Sample ID: B-31 (5.0-7.0)

Lab Sample ID: 480-204973-7 Date Collected: 12/20/22 14:34 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 81.2

| Analyte | Re | sult Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-------|---|--------|-------|-------|---------|----------------|----------------|---------|
| PCB-1016 | | 0.26 U | 0.26 | 0.051 | mg/Kg | <u></u> | 12/22/22 09:05 | 12/27/22 19:18 | 1 |
| PCB-1221 | | 0.26 U | 0.26 | 0.051 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 19:18 | 1 |
| PCB-1232 | | 0.26 U | 0.26 | 0.051 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 19:18 | 1 |
| PCB-1242 | 0.260 | .077 J | U 0.26 | 0.051 | mg/Kg | ⊅ | 12/22/22 09:05 | 12/27/22 19:18 | 1 |
| PCB-1248 | | 0.26 U | 0.26 | 0.051 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:18 | 1 |
| PCB-1254 | | 0.26 U | 0.26 | 0.12 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 19:18 | 1 |
| PCB-1260 | | 0.26 U | 0.26 | 0.12 | mg/Kg | ⊅ | 12/22/22 09:05 | 12/27/22 19:18 | 1 |
| | | | | | | | | | |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 102 | | 65 - 174 | 12/22/22 09:05 | 12/27/22 19:18 | 1 |
| DCB Decachlorobiphenyl | 104 | | 65 - 174 | 12/22/22 09:05 | 12/27/22 19:18 | 1 |
| Tetrachloro-m-xylene | 101 | | 60 - 154 | 12/22/22 09:05 | 12/27/22 19:18 | 1 |
| Tetrachloro-m-xylene | 105 | | 60 - 154 | 12/22/22 09:05 | 12/27/22 19:18 | 1 |

Client Sample ID: B-26 (1.0-1.5)

Date Collected: 12/20/22 11:00 Matrix: Solid Date Received: 12/21/22 11:20 Percent Solids: 87.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|--------------|----------------|----------------|---------|
| PCB-1016 | 0.28 | U | 0.28 | 0.054 | mg/Kg | * | 12/22/22 09:05 | 12/27/22 20:25 | 1 |
| PCB-1221 | 0.28 | U | 0.28 | 0.054 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 20:25 | 1 |
| PCB-1232 | 0.28 | U | 0.28 | 0.054 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 20:25 | 1 |
| PCB-1242 | 3.0 | | 0.28 | 0.054 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 20:25 | 1 |
| PCB-1248 | 0.28 | U | 0.28 | 0.054 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 20:25 | 1 |
| PCB-1254 | 0.28 | U | 0.28 | 0.13 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 20:25 | 1 |
| PCB-1260 | 0.28 | U | 0.28 | 0.13 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 20:25 | 1 |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|---------------------|---------------------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 102 | 65 - 174 | 12/22/22 09:05 | 12/27/22 20:25 | 1 |
| DCB Decachlorobiphenyl | 101 | 65 ₋ 174 | 12/22/22 09:05 | 12/27/22 20:25 | 1 |
| Tetrachloro-m-xylene | 102 | 60 ₋ 154 | 12/22/22 09:05 | 12/27/22 20:25 | 1 |
| Tetrachloro-m-xylene | 102 | 60 - 154 | 12/22/22 09:05 | 12/27/22 20:25 | 1 |

Client Sample ID: B-26 (3.0-4.2)

Date Collected: 12/20/22 12:40 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 83.5

| Analyte | | Qualifier | | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|------|-----------|------|-------|-------|--------------|----------------|----------------|---------|
| PCB-1016 | 0.27 | U | 0.27 | 0.054 | mg/Kg | - | 12/22/22 09:05 | 12/27/22 20:38 | 1 |
| PCB-1221 | 0.27 | U | 0.27 | 0.054 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 20:38 | 1 |

Eurofins Buffalo

Lab Sample ID: 480-204973-9

Lab Sample ID: 480-204973-11

Client: ARCADIS U.S. Inc Job ID: 480-204973-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-26 (3.0-4.2)

Lab Sample ID: 480-204973-11 Date Collected: 12/20/22 12:40 **Matrix: Solid** Date Received: 12/21/22 11:20 **Percent Solids: 83.5**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-------|-------|---------|----------------|----------------|---------|
| PCB-1232 | 0.27 | U | 0.27 | 0.054 | mg/Kg | <u></u> | 12/22/22 09:05 | 12/27/22 20:38 | 1 |
| PCB-1242 | 0.31 | | 0.27 | 0.054 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 20:38 | 1 |
| PCB-1248 | 0.27 | U | 0.27 | 0.054 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 20:38 | 1 |
| PCB-1254 | 0.27 | U | 0.27 | 0.13 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 20:38 | 1 |
| PCB-1260 | 0.27 | U | 0.27 | 0.13 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 20:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 100 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 20:38 | 1 |
| DCB Decachlorobiphenyl | 104 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 20:38 | 1 |
| Tetrachloro-m-xylene | 97 | | 60 - 154 | | | | 12/22/22 09:05 | 12/27/22 20:38 | 1 |
| Tetrachloro-m-xylene | 100 | | 60 - 154 | | | | 12/22/22 09:05 | 12/27/22 20:38 | 1 |

Client Sample ID: FD-12202022 Lab Sample ID: 480-204973-12 Date Collected: 12/20/22 00:00 **Matrix: Solid**

Date Received: 12/21/22 11:20 Percent Solids: 84.1

| Analyte | | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------|-----------|-----------|---------------------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | | 0.23 | U | 0.23 | 0.046 | mg/Kg | ₽ | 12/22/22 09:05 | 12/27/22 20:51 | 1 |
| PCB-1221 | | 0.23 | U | 0.23 | 0.046 | mg/Kg | ₽ | 12/22/22 09:05 | 12/27/22 20:51 | 1 |
| PCB-1232 | | 0.23 | U | 0.23 | 0.046 | mg/Kg | ₽ | 12/22/22 09:05 | 12/27/22 20:51 | 1 |
| PCB-1242 | 0.23 | 0.073 | J U | 0.23 | 0.046 | mg/Kg | ₽ | 12/22/22 09:05 | 12/27/22 20:51 | 1 |
| PCB-1248 | | 0.23 | U | 0.23 | 0.046 | mg/Kg | ₽ | 12/22/22 09:05 | 12/27/22 20:51 | 1 |
| PCB-1254 | | 0.23 | U | 0.23 | 0.11 | mg/Kg | ₽ | 12/22/22 09:05 | 12/27/22 20:51 | 1 |
| PCB-1260 | | 0.23 | U | 0.23 | 0.11 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 20:51 | 1 |
| Surrogate | | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | | 101 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 20:51 | 1 |
| DCB Decachlorobiphenyl | | 102 | | 65 ₋ 174 | | | | 12/22/22 09:05 | 12/27/22 20:51 | 1 |
| Tetrachloro-m-xylene | | 101 | | 60 - 154 | | | | 12/22/22 09:05 | 12/27/22 20:51 | 1 |

Tetrachloro-m-xylene 96 60 - 154 12/22/22 09:05 12/27/22 20:51 Client Sample ID: B-29 (0.7-1.2) Lab Sample ID: 480-204973-13 Date Collected: 12/20/22 09:40 **Matrix: Solid**

| Date Received: 12/21/22 11 | 1:20 | | | | | | | Percent Solid | s: 81.7 |
|-----------------------------|-----------------|-----------|-------------|---------|---------|-------------|----------------|----------------|---------|
| Method: SW846 8082A - F | Polychlorinated | Biphenyls | (PCBs) by G | as Chro | matogra | phy | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 5.9 | U | 5.9 | 1.2 | mg/Kg | | 12/22/22 09:05 | 12/29/22 19:29 | 20 |
| PCB-1221 | 5.9 | U | 5.9 | 1.2 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:29 | 20 |
| PCB-1232 | 5.9 | U | 5.9 | 1.2 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:29 | 20 |
| PCB-1242 | 74 | | 5.9 | 1.2 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:29 | 20 |
| PCB-1248 | 5.9 | U | 5.9 | 1.2 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:29 | 20 |
| PCB-1254 | 5.9 | U | 5.9 | 2.8 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:29 | 20 |
| PCB-1260 | 5.9 | U | 5.9 | 2.8 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:29 | 20 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 112 | | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 19:29 | 20 |
| DCB Decachlorobiphenyl | 71 | | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 19:29 | 20 |
| Tetrachloro-m-xylene | 109 | | 60 - 154 | | | | 12/22/22 09:05 | 12/29/22 19:29 | 20 |
| Tetrachloro-m-xylene | 103 | | 60 - 154 | | | | 12/22/22 09:05 | 12/29/22 19:29 | 20 |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-204973-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-29 (4.7-5.9)

Lab Sample ID: 480-204973-16 Date Collected: 12/20/22 13:50 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 82.5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-------|-------|---------|----------------|----------------|---------|
| PCB-1016 | 0.21 | U | 0.21 | 0.041 | mg/Kg | <u></u> | 12/22/22 09:05 | 12/27/22 21:18 | 1 |
| PCB-1221 | 0.21 | U | 0.21 | 0.041 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 21:18 | 1 |
| PCB-1232 | 0.21 | U | 0.21 | 0.041 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 21:18 | 1 |
| PCB-1242 | 0.21 | U | 0.21 | 0.041 | mg/Kg | ₽ | 12/22/22 09:05 | 12/27/22 21:18 | 1 |
| PCB-1248 | 0.21 | U | 0.21 | 0.041 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 21:18 | 1 |
| PCB-1254 | 0.21 | U | 0.21 | 0.097 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 21:18 | 1 |
| PCB-1260 | 0.21 | U | 0.21 | 0.097 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 21:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 94 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 21:18 | 1 |
| DCB Decachlorobiphenyl | 96 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 21:18 | 1 |
| Tetrachloro-m-xylene | 92 | | 60 - 154 | | | | 12/22/22 09:05 | 12/27/22 21:18 | 1 |
| Tetrachloro-m-xylene | 96 | | 60 - 154 | | | | 12/22/22 09:05 | 12/27/22 21:18 | 1 |

Client Sample ID: B-30 (1.0-1.5) Lab Sample ID: 480-204973-17 Date Collected: 12/20/22 13:30 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 85.0

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| PCB-1016 | 5.6 | U J | 5.6 | 1.1 | mg/Kg | ☆ | 12/22/22 09:05 | 12/29/22 19:43 | 20 |
| PCB-1221 | 5.6 | U | 5.6 | 1.1 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:43 | 20 |
| PCB-1232 | 5.6 | U | 5.6 | 1.1 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:43 | 20 |
| PCB-1242 | 72 | | 5.6 | 1.1 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:43 | 20 |
| PCB-1248 | 5.6 | U | 5.6 | 1.1 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 19:43 | 20 |
| PCB-1254 | 5.6 | U | 5.6 | 2.6 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:43 | 20 |
| PCB-1260 | 5.6 | U ψ | 5.6 | 2.6 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:43 | 20 |
| Surrogate | %Recovery | Qualifier | l imits | | | | Prepared | Analyzed | Dil Fac |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 103 | | 65 - 174 | 12/22/22 09:05 | 12/29/22 19:43 | 20 |
| DCB Decachlorobiphenyl | 64 | S1- | 65 - 174 | 12/22/22 09:05 | 12/29/22 19:43 | 20 |
| Tetrachloro-m-xylene | 99 | | 60 - 154 | 12/22/22 09:05 | 12/29/22 19:43 | 20 |
| Tetrachloro-m-xylene | 164 | S1+ | 60 - 154 | 12/22/22 09:05 | 12/29/22 19:43 | 20 |

Client Sample ID: B-30 (5.0-7.0) Lab Sample ID: 480-204973-20 Date Collected: 12/20/22 14:20 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 88.8

| Date Received. 12/21/22 11 | .20 | | Percent Sond | 5. 00.0 | | | | | |
|------------------------------|-----------------|-----------|--------------|---------|---------|--------------|----------------|----------------|---------|
| - Method: SW846 8082A - F | Polychlorinated | Biphenyls | (PCBs) by G | as Chro | matogra | phy | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.24 | U | 0.24 | 0.047 | mg/Kg | * | 12/22/22 09:05 | 12/27/22 21:44 | 1 |
| PCB-1221 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 21:44 | 1 |
| PCB-1232 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 21:44 | 1 |
| PCB-1242 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 21:44 | 1 |
| PCB-1248 | 0.24 | U | 0.24 | 0.047 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 21:44 | 1 |
| PCB-1254 | 0.24 | U | 0.24 | 0.11 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 21:44 | 1 |
| PCB-1260 | 0.24 | U | 0.24 | 0.11 | mg/Kg | ₽ | 12/22/22 09:05 | 12/27/22 21:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 108 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 21:44 | 1 |
| DCB Decachlorobiphenvl | 114 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 21:44 | 1 |

Eurofins Buffalo

Client: ARCADIS U.S. Inc Job ID: 480-204973-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-30 (5.0-7.0)

Lab Sample ID: 480-204973-20 Date Collected: 12/20/22 14:20 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 88.8

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|--------------|-------------------|---------|
| Tetrachloro-m-xylene | 105 | | 60 - 154 | 12/22/22 09: | 05 12/27/22 21:44 | 1 |
| Tetrachloro-m-xylene | 109 | | 60 - 154 | 12/22/22 09: | 05 12/27/22 21:44 | 1 |

Client Sample ID: B-28 (1.0-1.5)

Lab Sample ID: 480-204973-21 Date Collected: 12/20/22 14:50 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 95.7

| Method: SW846 8082A - Pol | ychlorinated Biphenyls | s (PCBs) by Gas (| Chromatography |
|---------------------------|------------------------|-------------------|----------------|
|---------------------------|------------------------|-------------------|----------------|

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|-------|---------|----------------|----------------|---------|
| PCB-1016 | 22 | U J | 22 | 4.4 | mg/Kg | <u></u> | 12/22/22 09:05 | 12/29/22 19:56 | 100 |
| PCB-1221 | 22 | U | 22 | 4.4 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 19:56 | 100 |
| PCB-1232 | 22 | U | 22 | 4.4 | mg/Kg | ₽ | 12/22/22 09:05 | 12/29/22 19:56 | 100 |
| PCB-1242 | 290 | | 22 | 4.4 | mg/Kg | ₽ | 12/22/22 09:05 | 12/29/22 19:56 | 100 |
| PCB-1248 | 22 | U | 22 | 4.4 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 19:56 | 100 |
| PCB-1254 | 22 | U | 22 | 10 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 19:56 | 100 |
| PCB-1260 | 22 | U 🗸 | 22 | 10 | mg/Kg | | 12/22/22 09:05 | 12/29/22 19:56 | 100 |
| | | | | | | | | | |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | | S1- | 65 - 174 | 12/22/22 09:05 | 12/29/22 19:56 | 100 |
| DCB Decachlorobiphenyl | 0 | S1- | 65 - 174 | 12/22/22 09:05 | 12/29/22 19:56 | 100 |
| Tetrachloro-m-xylene | 104 | | 60 - 154 | 12/22/22 09:05 | 12/29/22 19:56 | 100 |
| Tetrachloro-m-xylene | 184 | S1+ | 60 - 154 | 12/22/22 09:05 | 12/29/22 19:56 | 100 |

Client Sample ID: B-28 (3.0-5.0)

Lab Sample ID: 480-204973-23 Date Collected: 12/20/22 15:30 Matrix: Solid Date Received: 12/21/22 11:20 Percent Solids: 83.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|--------------|----------------|----------------|---------|
| PCB-1016 | 0.23 | U | 0.23 | 0.045 | mg/Kg | * | 12/22/22 09:05 | 12/27/22 22:11 | 1 |
| PCB-1221 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 22:11 | 1 |
| PCB-1232 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 22:11 | 1 |
| PCB-1242 | 4.6 | | 0.23 | 0.045 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 22:11 | 1 |
| PCB-1248 | 0.23 | U | 0.23 | 0.045 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 22:11 | 1 |
| PCB-1254 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ₽ | 12/22/22 09:05 | 12/27/22 22:11 | 1 |
| PCB-1260 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ☼ | 12/22/22 09:05 | 12/27/22 22:11 | 1 |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|---------------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 104 | 65 - 174 | 12/22/22 09:05 | 12/27/22 22:11 | 1 |
| DCB Decachlorobiphenyl | 92 | 65 - 174 | 12/22/22 09:05 | 12/27/22 22:11 | 1 |
| Tetrachloro-m-xylene | 103 | 60 - 154 | 12/22/22 09:05 | 12/27/22 22:11 | 1 |
| Tetrachloro-m-xylene | 105 | 60 - 154 | 12/22/22 09:05 | 12/27/22 22:11 | 1 |

Client Sample ID: B-28 (5.0-5.9)

Date Collected: 12/20/22 15:35 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 84.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|----------|------------------|----|-----------|--------------|----------------|----------------|---------|
| PCB-1016 | 21 U J | 21 | 4.2 mg/Kg | * | 12/22/22 09:05 | 12/29/22 20:09 | 100 |
| PCB-1221 | 21 U J | 21 | 4.2 mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:09 | 100 |

Eurofins Buffalo

Lab Sample ID: 480-204973-24

Client: ARCADIS U.S. Inc Job ID: 480-204973-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-28 (5.0-5.9)

Tetrachloro-m-xylene

Lab Sample ID: 480-204973-24 Date Collected: 12/20/22 15:35 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 84.3

| Method: SW846 8082A - F | Polychlorinated | Biphenyls | (PCBs) by G | as Chro | matogra | phy (| Continued) | | |
|-------------------------|-----------------|-----------|-------------|---------|---------|--------------|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1232 | 21 | U J | 21 | 4.2 | mg/Kg | * | 12/22/22 09:05 | 12/29/22 20:09 | 100 |
| PCB-1242 | 570 | J | 21 | 4.2 | mg/Kg | ⊅ | 12/22/22 09:05 | 12/29/22 20:09 | 100 |
| PCB-1248 | 21 | U J | 21 | 4.2 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:09 | 100 |
| PCB-1254 | 21 | U J | 21 | 10 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:09 | 100 |
| PCB-1260 | 21 | U J | 21 | 10 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:09 | 100 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 0 | S1- | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 20:09 | 100 |
| DCB Decachlorobiphenyl | 0 | S1- | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 20:09 | 100 |
| Tetrachloro-m-xylene | 160 | S1+ | 60 - 154 | | | | 12/22/22 09:05 | 12/29/22 20:09 | 100 |
| Tetrachloro-m-xylene | 159 | S1+ | 60 - 154 | | | | 12/22/22 09:05 | 12/29/22 20:09 | 100 |

Client Sample ID: B-25 (1.0-1.5) Lab Sample ID: 480-204973-25 Date Collected: 12/19/22 08:15 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 94.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| PCB-1016 | 1.8 | U | 1.8 | 0.35 | mg/Kg | ₽ | 12/22/22 09:05 | 12/29/22 19:16 | 10 |
| PCB-1221 | 1.8 | U | 1.8 | 0.35 | mg/Kg | ₽ | 12/22/22 09:05 | 12/29/22 19:16 | 10 |
| PCB-1232 | 1.8 | U | 1.8 | 0.35 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 19:16 | 10 |
| PCB-1242 | 19 | | 1.8 | 0.35 | mg/Kg | ₽ | 12/22/22 09:05 | 12/29/22 19:16 | 10 |
| PCB-1248 | 1.8 | U | 1.8 | 0.35 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 19:16 | 10 |
| PCB-1254 | 1.8 | U | 1.8 | 0.84 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 19:16 | 10 |
| PCB-1260 | 2.3 | | 1.8 | 0.84 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 19:16 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 83 | | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 19:16 | 10 |
| DCB Decachlorobiphenyl | 57 | S1- | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 19:16 | 10 |
| Tetrachloro-m-xylene | 74 | | 60 - 154 | | | | 12/22/22 09:05 | 12/29/22 19:16 | 10 |

Client Sample ID: B-25 (3.0-4.2) Lab Sample ID: 480-204973-27 Date Collected: 12/19/22 08:25 Matrix: Solid

60 - 154

74

| Date Received: 12/21/22 11 | :20 | Received: 12/21/22 11:20 | | | | | | | |
|----------------------------|-----------------|--------------------------|-------------|---------|---------|-------------|----------------|----------------|---------|
| Method: SW846 8082A - F | Polychlorinated | Biphenyls | (PCBs) by G | as Chro | matogra | phy | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 0.23 | U | 0.23 | 0.046 | mg/Kg | | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| PCB-1221 | 0.23 | U | 0.23 | 0.046 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| PCB-1232 | 0.23 | U | 0.23 | 0.046 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| PCB-1242 | 0.23 | U | 0.23 | 0.046 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| PCB-1248 | 0.23 | U | 0.23 | 0.046 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| PCB-1254 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| PCB-1260 | 0.23 | U | 0.23 | 0.11 | mg/Kg | ₩ | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 94 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| DCB Decachlorobiphenyl | 87 | | 65 - 174 | | | | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| Tetrachloro-m-xylene | 100 | | 60 - 154 | | | | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| Tetrachloro-m-xylene | 111 | | 60 - 154 | | | | 12/22/22 09:05 | 12/27/22 19:32 | 1 |
| | | | | | | | | | |

Eurofins Buffalo

12/22/22 09:05 12/29/22 19:16

Client: ARCADIS U.S. Inc Job ID: 480-204973-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: B-24 (1.2-1.7)

Tetrachloro-m-xylene

Lab Sample ID: 480-204973-28 Date Collected: 12/19/22 08:40 **Matrix: Solid** Date Received: 12/21/22 11:20 Percent Solids: 75.9

| Method: SW846 8082A - I | Polychlorinated | Biphenyls | (PCBs) by G | as Chro | matogra | phy | | | |
|-------------------------|-----------------|------------------|-------------|---------|---------|-------------|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 56 | U | 56 | 11 | mg/Kg | | 12/22/22 09:05 | 12/29/22 20:49 | 200 |
| PCB-1221 | 56 | U | 56 | 11 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:49 | 200 |
| PCB-1232 | 56 | U | 56 | 11 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:49 | 200 |
| PCB-1242 | 1600 | | 56 | 11 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:49 | 200 |
| PCB-1248 | 56 | U | 56 | 11 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:49 | 200 |
| PCB-1254 | 56 | U | 56 | 26 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:49 | 200 |
| PCB-1260 | 56 | U | 56 | 26 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 20:49 | 200 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 0 | S1- | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 20:49 | 200 |
| DCB Decachlorobiphenyl | 0 | S1- | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 20:49 | 200 |
| Tetrachloro-m-xylene | 124 | | 60 - 154 | | | | 12/22/22 09:05 | 12/29/22 20:49 | 200 |
| Tetrachloro-m-xylene | 121 | | 60 - 154 | | | | 12/22/22 09:05 | 12/29/22 20:49 | 200 |

Client Sample ID: B-24 (3.2-5.0) Lab Sample ID: 480-204973-30

Matrix: Solid Date Collected: 12/19/22 09:15 Date Received: 12/21/22 11:20 Percent Solids: 85.4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-------------|---------------------|-----|-------|---|----------------|----------------|---------|
| PCB-1016 | 21 | U J | 21 | 4.1 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:22 | 100 |
| PCB-1221 | 21 | U | 21 | 4.1 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:22 | 100 |
| PCB-1232 | 21 | U | 21 | 4.1 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:22 | 100 |
| PCB-1242 | 600 | | 21 | 4.1 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:22 | 100 |
| PCB-1248 | 21 | U | 21 | 4.1 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:22 | 100 |
| PCB-1254 | 21 | U | 21 | 9.8 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:22 | 100 |
| PCB-1260 | 21 | U \bigvee | 21 | 9.8 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:22 | 100 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 0 | S1- | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 20:22 | 100 |
| DCB Decachlorobiphenyl | 0 | S1- | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 20:22 | 100 |
| Tetrachloro-m-xylene | 172 | S1+ | 60 ₋ 154 | | | | 12/22/22 09:05 | 12/29/22 20:22 | 100 |

Lab Sample ID: 480-204973-31 Client Sample ID: FD-12212022 Date Collected: 12/19/22 00:00 **Matrix: Solid**

60 - 154

88

| Date Received: 12/21/22 11 | :20 | | | | | | | Percent Solid | s: 84.1 |
|----------------------------|----------------|-------------|-------------|---------|---------|-----|----------------|----------------|---------|
| | olychlorinated | Biphenyls | (PCBs) by G | as Chro | matogra | phy | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| PCB-1016 | 28 | U J | 28 | 5.6 | mg/Kg | ☆ | 12/22/22 09:05 | 12/29/22 20:36 | 100 |
| PCB-1221 | 28 | U | 28 | 5.6 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 20:36 | 100 |
| PCB-1232 | 28 | U | 28 | 5.6 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:36 | 100 |
| PCB-1242 | 300 | | 28 | 5.6 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 20:36 | 100 |
| PCB-1248 | 28 | U | 28 | 5.6 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 20:36 | 100 |
| PCB-1254 | 28 | U | 28 | 13 | mg/Kg | ₩ | 12/22/22 09:05 | 12/29/22 20:36 | 100 |
| PCB-1260 | 28 | U \bigvee | 28 | 13 | mg/Kg | ☼ | 12/22/22 09:05 | 12/29/22 20:36 | 100 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl | 0 | S1- | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 20:36 | 100 |
| DCB Decachlorobiphenyl | 0 | S1- | 65 - 174 | | | | 12/22/22 09:05 | 12/29/22 20:36 | 100 |

Eurofins Buffalo

100

12/22/22 09:05 12/29/22 20:22

Client: ARCADIS U.S. Inc Job ID: 480-204973-1

Project/Site: National Grid - Dewey Avenue Site

Client Sample ID: FD-12212022 Lab Sample ID: 480-204973-31

 Date Collected: 12/19/22 00:00
 Matrix: Solid

 Date Received: 12/21/22 11:20
 Percent Solids: 84.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

| | Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| | Tetrachloro-m-xylene | 165 | S1+ | 60 - 154 | 12/22/22 09:05 | 12/29/22 20:36 | 100 |
| ı | Tetrachloro-m-xylene | 234 | S1+ | 60 - 154 | 12/22/22 09:05 | 12/29/22 20:36 | 100 |

Arcadis of New York, Inc.
One Lincoln Center, 110 West Fayette Street, Suite 300
Syracuse
New York 13202
Phone: 315 446 9120

Fax: 315 449 0017 www.arcadis.com