Clarkson Estates

KINGS COUNTY, NEW YORK

Construction Completion Report

NYSDEC Site Number: 224061

Prepared for:

CHV 329 Clarkson Avenue L.P. and CHV 329 Clarkson Avenue Housing Development Fund Corporation

50 Broadway, FL 30

New York, NY 10004

Prepared by:

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NOVEMBER 2024

REVISED JANUARY 2025

CERTIFICATIONS

I, _Robert L. Jackson, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work Plan (RAWP) executed as part of the SEQR Negative Declaration and Excavation Work Plan (EWP) were implemented and that all construction activities were completed in substantial conformance with the RAWP and EWP.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Robert L. Jackson, of GZA GeoEnvironmental, Inc., 55 Lane Road, Fairfield, NJ 07004, am certifying as Owner's Designated Site Representative: for the site.

106372-01	1/17/25	
NYS Professional Engineer #	Date	Signature



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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
BUG	Brooklyn Union Gas
CAMP	Community Air Monitoring Plan
C&D	Construction and Demolition
CFR	Code of Federal Regulations
CHASP	Construction Health and Safety Plan
CHV	CAMBA Housing Ventures
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering Controls and Institutional Controls
ELAP	Environmental Laboratory Accreditation Program
EWP	Excavation Workplan
HASP	Health and Safety Plan
IEP	Independent Electric Plant
IRM	Interim Remedial Measure
MGP	Manufactured Gas Plant
NAPL	Non-Aqueous Phase Liquid
NOC	Notice of Completion
NYS DEC	New York State Department of Environmental Conservation
NYC DEP	New York City Department of Environmental Protection
NYCHDR	New York City Homes and Community Renewal
NYC OER	New York City Office of Environmental Remediation
NYC VCP	New York City Voluntary Cleanup Program
NYCRR	New York Codes Rules and Regulations
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation

OSHA	**United States Occupational Health and Safety Administration**
PCBs	**Polychlorinated Biphenyls**
PE	**Professional Engineer**
PFAS	Per/polyfluoroalkyl Substances
PID	**Photo Ionization Detector**
QEP	**Qualified Environmental Professional**
RAOs	**Remedial Action Objectives**
RAWP	**Remedial Action Workplan**
RCR	**Remedial Closure Report**
RAP	**Remedial Action Plan or Plan**
RCA	**Recycled Concrete Aggregate**
RD	**Remedial Design**
RI	**Remedial Investigation**
RMZ	**Residual Management Zone**
RRUSCO	**Restricted Residential Use Soil Cleanup Objective**
RSOI	**Remedial System Optimization Investigation**
SCOs	**Soil Cleanup Objectives**
SCG	**Standards, Criteria and Guidance**
SMP	**Site Management Plan**
SSDS	**Sub-Slab Depressurization System**
SVOC	**Semi-Volatile Organic Compound**
TAL	**Target Analyte List**
TCL	**Target Compound List**
USGS	**United States Geological Survey**
UST	**Underground Storage Tank**
VCA	**Voluntary Cleanup Agreement**
VOC	**Volatile Organic Compound**

CONSTRUCTION COMPLETION REPORT

1.0 INTRODUCTION

This report details the implementation of the New York City Department of Housing and Community Renewal (NYCHCR) approved Remedial Action Work Plan (RAWP), April 2022, New York State Department of Environmental Conservation (NYSDEC) approved Excavation Work Plan, dated October 2023 for the 329 Clarkson Avenue site, which is within the Flatbush Station A&B Former Gas Holder Site located in Brooklyn, New York. National Grid entered into an Administrative Order on Consent (A2-0552-0606) with the NYSDEC to investigate and remediate the Flatbush former Holder Site and a Site Management Plan (SMP) for the Site was approved in 2016.

CAMBA Housing Ventures, Inc. (CHV) is an affordable and supportive housing developer founded as an affiliate of CAMBA, Inc. In 2005 in response to a pressing need for permanent, stable, and affordable housing for New York City residents. CHV's mission is to elevate the definition of affordable and supportive housing by creating and preserving sustainable, high-quality, and energy-efficient developments that provide residents with a healthy, safe, and beautiful home. CHV's properties, 14 completed, two in construction and one in pre-development, represent more than $1.2 billion in public-private investment and 2.6 million square feet in developments, and provide 3,000 homes for more than 7,500 individuals in 4 of the 5 boroughs.

CHV's Clarkson Estates is a $238 million affordable and supportive housing development, which is part of the State's Vital Brooklyn initiative, which will provide 328 permanently affordable and supportive homes for low-income and formerly homeless populations, including youth aging out of foster care, formerly incarcerated individuals, formerly homeless young adults, and formerly homeless families. Clarkson Estates, located in the Flatbush neighborhood of Brooklyn, will feature more than 30,000 square feet of community facility space and nearly 15,000 square feet of parking. It will be a Passive House development, which is a voluntary standard for energy-efficiency to reduce

Clarkson Estate's ecological footprint, provide superior air quality, and reduce energy use and residents' utility bills.

The CHV 329 Clarkson Avenue Site (the Site) is located in Kings County, New York and is identified as Block 4248, Lot 21 (Figure 1). The Site is situated on an approximately 1.24-acre area bounded by the Biotechnology Incubator and Parkside Avenue to the north, Clarkson Avenue to the south, BP Gas Station, playground, and New York Avenue to the east, and commercial facilities and Nostrand Avenue to the west (see Figure 2). The boundaries of the Site are shown in Appendix A: Pre-Construction Survey Map. Figure 3 shows the site Tax Map.

The property was remediated to restricted residential use and will be used for affordable housing, commercial, and community facilities. The proposed development of the site includes a 9-story building with underground parking use. Approximately 328 residential units are included in the proposed building. The development will include an open space courtyards and basketball court below street level. There will be community facilities and commercial uses on the ground and cellar floor of the building.

1.1 BACKGROUND AND SITE DESCRIPTION

The Flatbush Gas Company was established in 1864. The Gas Company buildings are visible on the 1873 and 1879 Kings County Atlases. The earliest indication of holders at the Site is depicted in the 1890 Kings County Atlas which shows the presence of two unlabeled circular structures which might have been gas holders. The two holders, gasometer GH#1 (150,000 cubic yard capacity) and gas holder GH#2 (1 million cubic yard capacity) shown on the 1905 Sanborn at 324 Winthrop Street and 760 Parkside Avenue, respectively, are believed to have been constructed at the Site between 1879 and 1905.

Between 1895 and 1897, the Brooklyn Union Gas, Co. (BUG) purchased six small, manufactured gas plants (MGPs), including the Flatbush Gas Company, and operated them as subsidiaries until completing their integration into BUG in 1927 (Encyclopedia.com). By 1904, the Flatbush Gas Co. had ceased gas production operations and was purchasing gas from BUG for storage and distribution. The Flatbush Gas Company was also operating an Independent Electric Plant (I.E.P) in 1904. The 1905 Sanborn identifies the Boiler House on the 329 Clarkson Avenue property as an I.E.P, which produced electricity from six brick steam boilers, 2 generators, and 5 dynamos. Also present on the 329 Clarkson Avenue property were a coal shed, brick oil tank, oil house, lamp house, meter house, and

offices. While two five million cubic foot gas holders (GH#3 and GH#4) are believed to have been constructed on the Northern Parcel of the Site in 1908 and 1923, respectively, and the GH#1 demolished sometime between 1912 and 1917, the Flatbush Gas Company and BUG operations on the Southern Parcel had ceased by 1925.

Between 1947 and 1954, gas holder GH#2 and associated structures located on the Southern Parcel were removed. Two gasoline fuel tanks were present in the southwest corner of the 329 Clarkson Avenue property and adjacent to a former auto garage at this time. By 1958, the Southern Parcel had been developed into parking lots, a tobacco and candy distribution center, and manufacturing. The previous building on the 329 Clarkson Avenue property was constructed around this time and used for manufacturing by the ABACO Fabrics Company (~1969) and then the PETER Partition Corporation (~1977 to ~1994). Since 1995, this building was used by the Health Science Center for employee parking, and by the facilities department for storage of equipment and materials. That building has been demolished. In 2004, the 760 Parkside Avenue Property immediately north of the 329 Clarkson Avenue property was developed into a medical facility.

The twin gas holders and associated structures remained unchanged on the Northern Parcel until they were decommissioned between 1979 and 1980, however available data was insufficient to identify when gas storage and distribution activities associated with these holders were discontinued by BUG.

The 329 Clarkson Avenue property occupies an area of approximately 1.24 acres within the Flatbush former Holder Site. The former Holder Site is an approximately 5-acre area bounded by Winthrop Street to the north, Clarkson Avenue to the south, and commercial properties to the east and to the west. Parkside Avenue dissects the Site into two parcels: the Northern Parcel and the Southern Parcel. The 329 Clarkson Avenue property is located on the Southern Parcel. Also present on the Southern Parcel is 760 Parkside Avenue which is bordered by the 329 Clarkson Avenue property on three sides (East, South, and West). The 329 Clarkson Avenue property was operated as a parking facility (garage converted from former warehouse), and a storage area for the Health Science Center at Brooklyn Foundation, Inc. (Health Science Center) including facility vehicles, grounds and maintenance equipment, and materials.

The current owners of the 329 Clarkson Avenue property are CHV 329 Clarkson Avenue L.P and CHV 329 Clarkson Avenue Housing Development Fund Corporation

The zoning for Block 4828, Lot 21 follows the Design Guidelines approved by the Empire State Development (ESD) and the NYC Department of Buildings (DOB). The 2016 NYSDEC Approved Site Management Plan (SMP) imposed the following institutional controls for Site:

- It may only be used for Restricted Commercial Use provided that the long-term ECs/ICs included in the SMP are employed; and
- It may not be used for a higher level of use, such as Restricted Residential Use without additional remediation (if required) and amendment of the Environmental Easement [pending], as approved by the NYSDEC (AECOM, 2016).

1.2 REMEDIAL SYSTEM OPTIMIZATION INVESTIGATION

A Remedial Site Optimization Investigation (RSOI) was conducted in 2022 to further investigate the Site for potential MGP-related impacts. The RSOI was conducted by AECOM on behalf of National Grid and a summary report was approved by NYSDEC on May 22, 2022.

A total of 19 soil borings were advanced during the RSOI. Of the 19 borings, 16 were proposed in the RSOI work plan, and 3 were additional borings at step out locations. The locations of each soil boring are summarized on Figure 3-1 in Appendix B. Subsurface soil borings were advanced in order to:

- obtain information regarding the thickness and composition of fill materials and native soils beneath the Site;
- observe and screen subsurface soil to identify conditions that may be indicative of residual MGP impacts; and
- collect soil samples from each boring per the sample collection rationale discussed below and submit the samples for laboratory analysis to document subsurface soil conditions.

Soil borings were advanced with a Rotosonic (Sonic) drill rig operated by ADT. Initially, 16 borings were advanced within a 60-feet by 60-feet cell, gridded across the 329 Clarkson Avenue Parcel to ensure spatial distribution of data collection. Eleven of these borings were advanced to a minimum depth of 25 ft bgs, two borings were advanced to a minimum depth 30 ft bgs, and three borings were advanced to a minimum depth of 85 ft bgs. While many of the borings were placed in the center of a grid, some were adjusted such that they are adjacent to the footprints of the proposed elevator pit locations, former MGP structures, and/or near SC investigation locations where visual and olfactory

observations of residual impacts were noted at the 760 Parkside Avenue Property, and one or more constituents of concern in soil samples were detected above the NYSDEC Restricted Residential Use Criteria. The three step-out borings were advanced at a distance of approximately 25 feet from boring SB-212 where a PID headspace reading was above 692 parts per million (ppm) and a woody/creosote like odor was observed. Step-out borings were advanced to depths ranging from 20 to 25 feet.

During drilling, 5- to 10-foot-long soil cores were collected continuously. Each soil core was logged by the onsite geologist for the presence of fill material or subsurface structures, soil composition of each geologic unit encountered, observations regarding moisture content, the results of PID soil headspace readings, and visual and olfactory observations regarding the presence of hydrocarbon-like or other residuals.

A total of three soil samples were collected for laboratory analysis from the upper 25 feet of each soil boring (upper 30 feet at borings to be located in proposed elevator pits). One sample was collected from the top 5 feet bgs, one sample was collected from 5 to 15 feet bgs, and one sample was collected from 15 to 25 (15 to 30 feet bgs at borings to be located in proposed elevator pit locations). Each sample was collected from the two-foot interval with the greatest PID readings and visual/olfactory observations. If no impacts were observed, the sample in the top 5 feet bgs and the sample from 5 to 15 feet bgs were collected from the center of the five and ten-foot intervals, respectively, and the sample from the 15 to 25 ft bgs interval was collected from 23 to 25 ft bgs (or 28 to 30 feet bgs at the locations of the proposed elevator pits). Each soil sample was submitted for VOC, SVOC, metals, polychlorinated biphenyls (PCBs) as Aroclors, free cyanide, and pesticides.

Ten of the 19 soil borings were converted to soil vapor points. The locations of the soil vapor points are shown on Figure 3-1 in Appendix B. The soil vapor points were installed in accordance with the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, 2006) using helium as a tracer gas. After advancing the 10 selected soil boring by sonic drilling methods to the soil boring target termination depth, each boring was backfilled with grout and bentonite to the base of the soil vapor point screen interval of 18-20 ft bgs, which was targeted to be immediately below the depth of the proposed building basement foundation. The vapor points were constructed of 6-inch long, double woven stainless-steel wire, with 0.0057-inch pore diameters. Soil vapor samples were collected on October 9 and 10, 2021. Each sample was clearly labeled and submitted under proper chain-of custody for VOCs.

The Final RSOI Report (dated April 22, 2022), figures, and data tables are provided in Appendix B. Results of the investigation indicate that the former holder operations did not result in the release of MGP-related residuals to the subsurface media. Non-aqueous phase liquid (NAPL) bleb, coating, saturation, or sheens were not observed within any of the soil borings or test pits excavated on the 329 Clarkson Avenue Parcel. One impact was observed coincident with the woody fill debris at a depth of 9.5 to 12.5 feet below grade surface (ft bgs) in the center of the property and consisted of a slight rotten wood and trace creosote-like odor. One of the few compounds detected from this material was a pesticide, which is not a MGP derived material.

The majority of the soil samples with detections of SVOCs and metals above the Restricted Residential Use Soil Cleanup Objectives (RRUSCOs) were present in urban fill in the upper five feet of soils, as well as a few samples down to 20 ft bgs. These soils were highly reworked through numerous redevelopment activities through the history of the 329 Clarkson Avenue Parcel and were distributed through the central part of the Parcel, as well as in the northeast corner near the BP Gas Station. Soil sample results showed no VOCs were detected above the RRUSCOs, 13 of the 85 soil samples contained SVOCs above the RRUSCOs (none below 20 ft bgs), 15 of the 85 samples contained metals above the RRUSCOs (none below 15 ft bgs), and no samples contained concentrations of cyanide, pesticides, herbicides, PBCs, or per – and polyfluoroalkyl substances (PFAS) above the RRUSCOs.

The NYCHCR approved a RAWP required soil excavation, installation of a site cover system and soil vapor mitigation for the Site. A passive Sub-slab depressurization system was also required should there be high concentrations of VOCs or radon are detected. On November 3, 2023, NYSDEC approved an EWP for soil excavation and disposal and installation of the soil cover system. This CCR describes the additional remediation performed pursuant to the RAWP and EWP to allow for restricted residential use of the 329 Clarkson Avenue Parcel. The EWP is provided in Appendix C.

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2.0 SUMMARY OF SITE REDEVLOPMENT

The site redevelopment consisted of the excavation of soil to an overall depth of approximately 18 ft bgs. Pursuant to the NYCHCR-approved RAWP, a Sub-Slab Depressurization System (SSDS) was installed which consisted of nine extraction trenches and piping, a foam core layer, and 20-mil vapor barrier below the building slab. There are two areas onsite without an impervious cover where 2-feet of clean fill was placed. See Section 2.2 for additional detail.

2.1 DESCRIPTION OF REDEVELOPMENT

The site was redeveloped in accordance with the NYCHCR-approved RAWP and NYSDEC-approved EWP, which collectively provided for the following:

1. Implementation of the existing Site Management Plan for the Subject Property.

2. The RAWP required the excavation of soil/fill to a depth of approximately 18-feet below ground surface;

3. Construction and maintenance of a composite cover system consisting of the foundation/concrete slab of varying thickness across the site, including a 20-mil vapor barrier, or a minimum of two feet of clean fill on top of site soil to prevent human exposure to impacted media remaining at the 329 Clarkson Avenue Parcel, as required in the RAWP and/or by the EWP. The vapor barrier was a combination of Preprufe 120R and 160R and was underlain with 2-inch-thick form core to protect it from the layer of crushed stone spread across the site. Pipe penetrations for the SSDS and utilities were sealed with the vapor barrier and liquid bituthene. The vapor barrier was also installed vertically along the foundation walls;

4. A Sub-Slab Depressurization System (SSDS) was also installed throughout the site except where the parking area is located, as a precaution should it be determined, post-construction, that there are high concentrations of radon or other contaminants present in the building as required in the RAWP. The SSDS consisted of 9 extraction trenches with a foot of crushed stone

surrounding a 4-inch, perforated, PVC pipe wrapped in a Mirafi 140N, a geotextile. The PVC was then connected to steel piping that runs vertically through the building and daylights above the roof. The system will be passive unless future data indicates that it must be converted into an active one. The SSDS was designed in accordance with the requirements in the NYSDOH Vapor Intrusion Guidance. The design figures for the SSDS are provided in Appendix D.;

5. The RAWP and EWP required that where there are landscaped or areas with no impervious surface, a minimum of 2-feet of NYSDEC approved, imported, clean fill was placed over the existing soil/fill.;

6. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site, will be completed as part of the project;

7. The existing Site Management Plan (SMP) for the site will be modified based on the completed remediation. The modified SMP will provide for the long-term management of remaining impacted media at the 329 Clarkson Avenue Parcel as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

There were no interim remedial measures implemented for the 329 Clarkson Avenue Parcel.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the 329 Clarkson Avenue Parcel were conducted in accordance with the NYCHCR-approved RAWP and/or the NYSDEC-approved EWP.

4.1 GOVERNING DOCUMENTS

The primary governing documents for the site are the RAWP, EWP, and SMP. The RAWP and EWP provide details on the remedial actions to be completed onsite and the SMP is the document directing long-term management of the site post remediation and construction.

4.1.1 Site Specific Health & Safety Plan (HASP)

All remedial work performed under the RAWP and EWP was undertaken in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA. The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

4.1.2 Community Air Monitoring Plan (CAMP)

The CAMP program was implemented during the soil excavation by AECOM under contract to National Grid. At least two CAMP stations were set up on a daily basis for dust and volatile organic emissions to the extent possible, up and downwind of the site. Appropriate alarm settings were established such that if they were exceeded the monitoring equipment would notify the field technicians of a concern so that it could be properly addressed in real time.

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area was performed. Continuous monitoring was performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities included, but were not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) were monitored at the upwind and downwind perimeter of the immediate work area on a continuous basis during invasive work. The

monitoring work was performed using a photo-ionization detector (PID) to measure total VOCs. The PID was calibrated at least daily. The equipment is capable of calculating 15-minute running average concentrations, which were compared to the levels specified below.

- 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 were temporarily halted and monitoring continued. If the total organic vapor level readily decreased (per instantaneous readings) below 5 ppm over background, work activities resumed with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persisted at levels in excess of 5 ppm over background but less than 25 ppm, work activities were halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities resumed 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.

- If the organic vapor level was above 25 ppm at the perimeter of the work area, activities were shutdown.

All 15-minute readings were recorded and are available for DEC personnel to review. Instantaneous readings, if any, used for decision purposes were also recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations were monitored continuously at the upwind and downwind perimeters at temporary particulate monitoring stations. The particulate monitoring was performed using Dust-Trak™ 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 was equipped with a Samsara telemetry Uplink to indicate exceedance of the action level. In addition, fugitive dust migration was visually assessed during all work activities.

- If the downwind PM-10 particulate level was 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust was observed leaving the work area, then dust suppression techniques were employed. Work continued with dust suppression techniques provided that downwind PM-10 particulate levels did not exceed 150 mcg/m^3 above

the upwind level and provided that no visible dust was migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels were greater than 150 mcg/m^3 above the upwind level, work would have been stopped and a re-evaluation of activities initiated. Work would resume provided that dust suppression measures and other controls were successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings were recorded and made available for DEC personnel to review.

At least two CAMP stations were set up on a daily basis to monitor particulates and volatile organic emissions to the extent possible, up and downwind of the site. Appropriate alert/action levels were established from generic CAMP settings such that if they were exceeded the monitoring equipment would notify the field technicians of a concern so that it could be properly addressed in real time.

Daily and weekly field reports were prepared which included the CAMP data and are compiled in Appendix E for the entire period in which the site soil was exposed until it was covered with the vapor barrier and or clean fill.

Table 1 provides a list of occurrences where visible dust was observed, and the actions taken to address them. The exceedances were primarily due to the following:

- CAMP equipment failure or weather conditions in which it could not be used properly.
- Offsite road traffic
- Concrete being demolished near the CAMP stations.
- Site cleanup operations which generated dust
- General construction activities

The response was to slow down activity, wet down the soil and street, and maintain the truck tracking pad to decrease dust conditions.

In addition to the CAMP monitoring, the field technicians monitored the tracking of soil/mud onto Clarkson Avenue and directed the construction workers to clean it as necessary by sweeping, shoveling, and or washing the soil back onto the site.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

- Listing of contractors who performed work and their associated tasks;
    - Bruno Frustaci Contracting, Inc. – General Contractor
    - Trident General Contracting LLC - Soil excavation, SSDS piping
    - Crown Waterproofing Inc. and Trident – Vapor barrier installation
    - FS Site Corp – SSDS piping
- Identity of certifying Engineer of Record responsible for inspection of the work.
    - Robert L. Jackson, NY PE

4.2.2 Site Preparation

Following the demolition of the existing parking garage, the following was completed:

- Mobilization;
- Fencing, truck-pad and wash construction;
- Utility marker layout;
- Acquisition of agency approvals, permits, etc.

A pre-construction meeting was held with NYSDEC and all contractors on 3/17/22. Documentation of agency approvals required by the RAWP and EWP are included in Appendix C.

4.2.3 General Site Controls

- Site security consists of a typical construction fence with locking gates and an electronic personnel entry system (turnstiles). When the gates are in use, onsite personnel are stationed to prevent intruders.

- Job site record keeping included various sign-in sheets for the subcontractors working onsite. The forms are maintained in the field office across Clarkson Ave.
- Equipment decontamination and residual waste management was conducted daily as necessary.
- Soil screening results from AECOM are included in the CAMP daily reports.
- Soil typically was stockpiled for disposal below ground surface within the construction fence;
- There was one recurring problem encountered during the remediation of the site, keeping Clarkson Avenue clean while trucking soil offsite. The tracking pad and tire wash station were continually upgraded as necessary to minimize the tracking of soil offsite. Upgrades included placing a geotextile covered with crushed stone to stabilize the pad and extending the pad length. When dirt or mud was tracked offsite, it was cleaned up on a regular basis with hand tools (brooms, shovels, etc.).

4.2.4 Nuisance controls

- A truck tracking pad was constructed, and tires of the outgoing trucks were brushed off and/or washed before they left the site,
- When necessary, dust control was achieved by wetting the soil surface and limiting soil movement on days with heavy winds. Trucks engaged their covers when loaded to prevent dust,
- Trucks followed their prescribed route to and from the site and traffic control was maintained by site staff.

4.2.6 Reporting

As previously stated in Section 4.1.6 Community Air Monitoring Program, daily and weekly reports were prepared by AECOM on behalf of National Grid and distributed to the NYSDEC and project team members.

- Daily reports (include electronically in full in Appendix G);
- Monthly reports (electronically in full in Appendix G).

The digital photo log required by the RAWP is included in electronic format in Appendix H.

4.3 CONTAMINATED MATERIALS REMOVAL

Prior to soil be excavated and transported offsite, a waste characterization investigation was completed onsite to determine the soil quality for disposal purposes. The results of the investigation are provided in Appendix I. The vast majority of the onsite soil was considered nonhazardous except for one hot spot area where, based on the lead concentrations, the soil was considered a hazardous waste. The hazardous soils were in the upper five feet of fill, were not located coincident with a former gas holder structure and were not related to the Flatbush former Holder Site activities.

The hot spot area, shown on Figure 4, was an approximate 10-foot square and 7-feet deep. No other areas onsite were found to contain soil that would be considered hazardous waste. This area was excavated first to prevent cross-contamination with other soil onsite. Approximately 54 tons of hazardous waste were excavated and disposed at Clean Earth.

Soil was excavated from the entire site and either stockpiled or live-loaded into dump-trucks for offsite disposal to one of four different disposal facilities depending on what was excavated.

A total of 59,208 tons of non-hazardous soil and debris was removed from the site. None of the soil disposed offsite contained constituents indicative of MGP impacts. Approximately 2,500 tons of soil was reused onsite as backfill as shown in Figure 5. Manifests and bills of lading are provided in Appendix J.

During the excavation, large boulders, and construction debris such as large sized piping, concrete pads, discarded steel objects, etc. were segregated from the soil and disposed separately at Bayshore. These items were stockpiled onsite for disposal. No underground storage tanks (USTs) were discovered.

Trucks entered and exited the site via tracking pads to limit the amount of soil tracked onto public streets. The tracking pads were maintained by adding a geotextile fabric and additional crushed stone as needed. The truck tires were either brushed or washed clean on the pad. Where soil did accumulate on the streets, it was routinely cleaned by sweeping, shoveling, or washing it back onto the site with water from hoses.

To the extent possible, trucks were limited in the amount of time they were allowed to sit idling before being loaded. Care was taken to not overload trucks. The loads were covered before the trucks were allowed to leave the site. Trucks followed a prescribed route to their disposal destination.

Table 2
Soil Disposal Quantities (tons)

Disposal Facility	Bayshore Keasby, NJ	Clean Earth* Kearny, NJ	Coplay Quarry Whitehall, PA	Faztec Industries Staten Island, NY
No. of Trucks	386	4	710	1204
Total Tons	11,7070.07	54.29	20,213.71	27,287.56

*Hazardous Waste Facility

The soil cleanup objectives (SCOs) for the onsite contaminants of for this project are the 6 NYCRR Part 375 Restricted Residential soil cleanup criteria.

Acceptance letters from disposal facility owners are attached in Appendix I.

4.3.2 On-Site Reuse

Soil was reused onsite around foundation elements of the new building as described in the NYSDEC-approved Excavation Work Plan (EWP). Figure 5 shows the various locations where excavated soil was reused onsite as backfill. The soil was distributed as needed and was sorted to remove any organic material and large cobbles, boulders, concrete, and piping found during the excavation. The soil was reused at a depth of approximately 18-feet bgs. The EWP is provided in Appendix C.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

End-point soil sampling was not conducted during the remediation of the site. The RSOI investigation was completed in April 2022 and that data was used in lieu of end-point sampling.

Data Usability Summary Reports (DUSRs) were not required for the remediation of this project.

4.5 IMPORTED BACKFILL

Clean fill was imported to site to install a minimum 2-foot cover in the area with no impervious surface shown on Figure 4. The main courtyard was filled with imported clean fill. The small sitting area on the west side of the site was also filled with imported clean fill. The approximate volume of imported soil was 75 tons for both areas without impervious surfaces.

The burrow source was Faztec Industries located in Staten Island and the analytical data for the imported soil is provided in Appendix K. The use of soil from this facility was approved by NYSDEC on May 20, 2024.

4.6 CONTAMINATION REMAINING AT THE SITE

Tables 4.1- 4.5 in Appendix B summarizes the results of all soil samples remaining at the site after completion of soil excavation that exceed the Track 1 (unrestricted) SCOs. There were no samples with contaminants exceeding the restricted residential criteria within the depth of construction.

There were numerous soil vapor samples that contained either tetrachloroethylene (PCE) or trichloroethylene (TCE) above applicable NYSDOH criteria of 30 and 2 micrograms/cubic liter (ug/m^3) respectively as follows:

PCE above standard:

- SV-202
- SV-204
- SV-205
- SV-206
- SV-207
- SV-210
- SV-216

TCE above standard:

- SV-202
- SV-204
- SV-205
- SV-210

- SV-212

Since contaminated soil vapor remains beneath the site after completion of the soil excavation and there is a potential for radon to exist, a vapor barrier and SSDS was installed with the building slab.

Engineering and Institutional Controls (ECs/ICs) are described in the following sections. Long-term management of these EC/ICs and residual impacted material will be performed under the Site Management Plan (SMP) approved by the NYSDEC.

4.7 ENGINEERING CONTROLS

Exposure to impacted media remaining in soil/fill at the site is prevented by a composite cover system placed over the site. This cover system is comprised of a minimum of 24 inches of clean soil, 6-8-inch concrete-covered sidewalks, or concrete building slab of varying thickness that includes a 20-mil vapor barrier. Figure 6 shows the typical as-built cross section used onsite.

4.8 SUB-SLAB DEPRESSURIZATION SYSTEM

Since potential soil vapor intrusion conditions still exists onsite, a passive SSDS was installed. Following future sampling of the enclosed building, the passive SSDS may become an active one pending the analytical results of the indoor air sampling.

Procedures for monitoring, operating and maintaining the SSDS will be provided in an Operation and Maintenance (O+M) Plan to be reviewed and approved by NYCHCR. The O+M Plan will also address inspection procedures that must occur after any severe weather condition has taken place that may affect the SSDS.

4.9 INSTITUTIONAL CONTROLS

The site remedy requires that an environmental easement be placed on the 329 Clarkson Avenue Parcel to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the site to restricted residential uses only.

The environmental easement will be executed by the NYSDEC and filed with the City Register of the City of New York. It will be included as an attachment to the revised SMP. A copy of the easement and proof of filing will be provided under separate cover.

TABLES

Table 1 - CAMP Exceedances
329 Clarkson Avenue, Brooklyn, NY

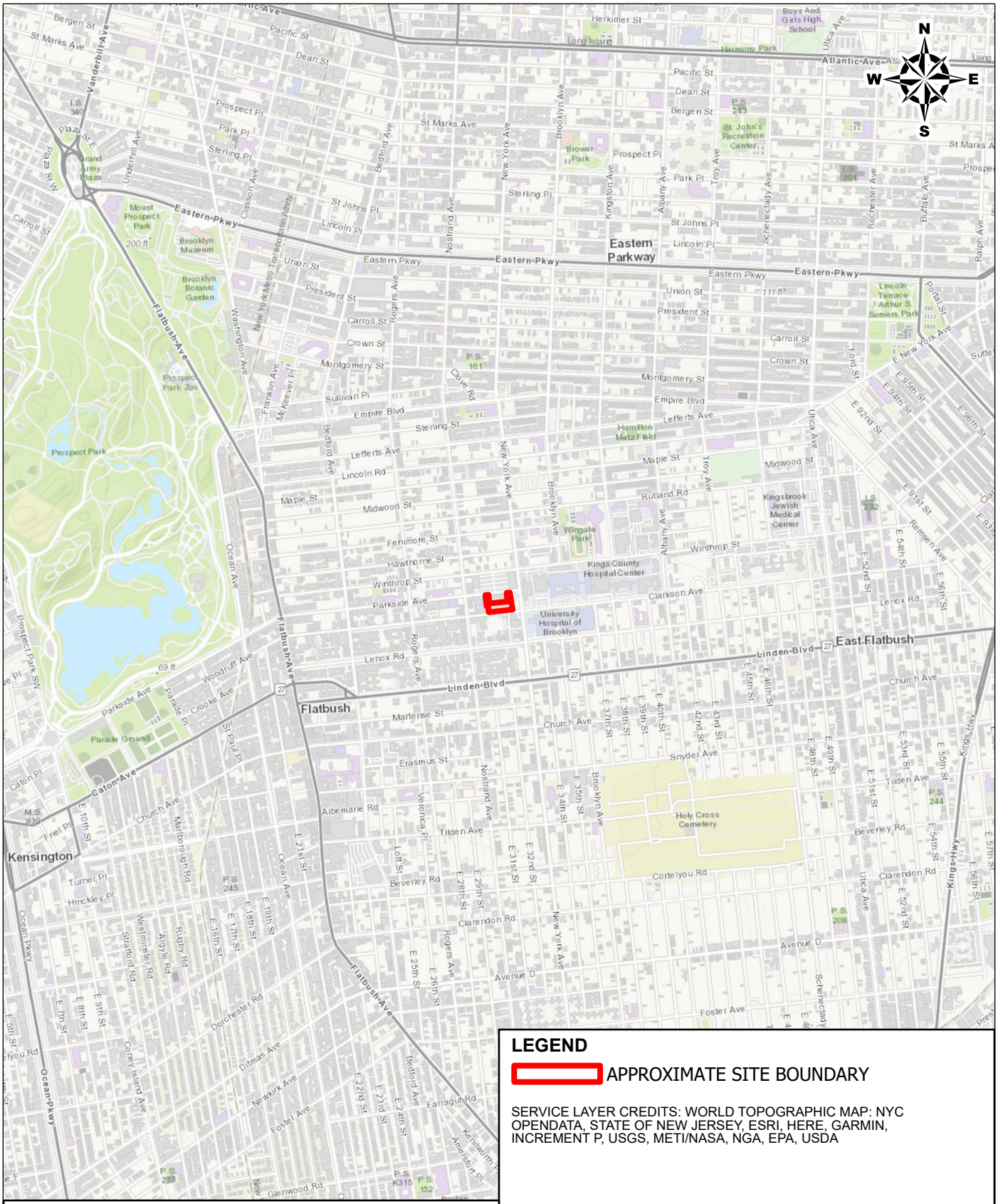
Daily Camp Reports

Date	PM10	PID	Notes
12/14/2023	X		Dust was noted at 10:40am due to roadway traffic causing dust to be generated. No onsite dust generated. Nothing was done
12/18/2023		X	PID was turned off due to moisture in the airm. Camp only ran for 3 hours due to heavy rain and no work being conducted. No readings above
12/19/2023		X	CAMP 2 battery died around 4pm. Manual data was collected after 4pm. No readings were identified
12/20/2023	X		Dust was noted while Trident was cleaning adjacent gate on Clarkson Avenue, Trident was wetting down the area with their power washer to remedy the dust
12/21/2023	X		Dust was observed in the area where trucks entered and leaved the site. Trident began spraying the are with water around 11:10am. No readings were observed on the CAMP data
1/22/2024	X		Dust was observed onsite around 1420 due to concrete being broken. Trident took breaks to prevent dust from collecting in the area.
1/23/2024	X		Dust was observed around 910am due to saw cutting in the east ally. Trident immediately wet the area down. No readings were documented.
2/1/2024	X		Dust was observed at the site at 1225 and 1520 due to roadway traffic and not related to onsite work. No readings were above
2/5/2024	X		Dust was observed around 1645 due to hyrdaulic breaker and excavator breaking up concrete. Work was being done slowly to minimize dust production and allowing time for dust to settle. No readings above
2/6/2024	X		Dust was observed around 0800 and 1045 due to hyrdaulic breaker and excavator breaking up concrete. Work was being done slowly to minimize dust production and allowing time for dust to settle. No readings above
2/8/2024	X		Dust was observed around 0832 due to concrete being broken up. Trident worked slowly to minimize dust. Dust was observed at 1340 due to roadway traffic and not related to onsite work. No readings were above
2/9/2024	X		Dust documented due to roadway traffic not related to onsite work. No readings above
2/15/2024	X		Dust documented due to roadway traffic not related to onsite work. Trident noticed the dirt on the roadway was due to trucks leaving the site. They cleaned the area and continued to clean tires on the trucks prior to them leaving the site. No readings above
2/16/2024	X		Dust documented due to roadway traffic not related to onsite work. No readings above
2/26/2024	X		Dust was observed outside the southeast gate due to trucks leaving the site. Trident was sweeping the area throughout the day to clean the area best a possible to prevent dust production. No readings above
2/27/2024	X		Dust was observed outside the southeast gate due to trucks leaving the site. Trident was sweeping the area throughout the day to clean the area best a possible to prevent dust production. No readings above
3/7/2024	X		Dust was observed in the west alley while concrete pier installation. Trident informed and began spraying down the area. No readings above
3/15/2024	X		Dust was observed at 1135 as Trident was moving tampers across the Site. Equipment was turned off immediately after being notified. No readings above
3/20/2024	X		Dust was observed when neighboring operations moved Tridents barricades exposing built up dirt and debris. Area was rinsed down and cleaned up. No readings above
4/4/2024	X		Dust was observed when Trident broke up concrete around north wall footings. Area was wet down. No readings above
4/26/2024	X		Dust was observed in the central portion of the Site while the excavator moved across the soil. The operator worked slowly to allow time for the dust to settle. No readings above

Weekly Reports

Date	PM10	PID	Notes
11/30/2023	X		PM 10 was at 160.5/74.1, but no dust was documented on site.
12/12/2023	X		PM 10 was 18/26, dust was observed from cars along Clarkson Avenue. Not related to the site work
12/14/2023	X		PM 10 was 9/13, dust was observed due to workers sweeping by the site exit gate. Area was dampened with a hose.
12/20/2023	X		PM 10 was 12/19, dust was observed by the gate from Trident sweeping. Area was sprayed down with water.
12/21/2023	X		PM 10 was 2/11, dust was observed by gate due to truck traffic area was sprayed down with water periodically
1/5/2024	X		PM 10 was 7/46, dust was observed by southeastern gate due to trucks removing material from the Site. Area was sprayed down and Natioanl grid was notified.
1/10/2024	X		PM 10 was 8/19, dust observed while breaking concrete. Area was wet down during work and work was done slowly to minimize dust
1/22/2024	X		PM 10 was 17/44, dust observed while Trident broke up concrete. Operator worked slowly with frequent pauses to ensure dust was minimized.
1/23/2024	X		PM 10 was 41/52, dust observed while Trident was saw cutting conrete. Area immediately wet down.
2/1/2024	X		PM 10 was 51/66, dust was observed due to cars driving along Clarkson Avenue. Not related to onsite work being conducted.
2/5/2024	X		PM 10 was 12/17, dust observed while Trident broke up conrete. Operator worked slowly to supress dust
2/6/2024	X		PM 10 was 10/14, dust was observed while Trident broke up concrete. Operator worked slowly to supress dust
2/8/2024	X		PM 10 was 30/31, dust was observed while Trident broke up concrete, Operator worked slowly
2/9/2024	X		PM 10 was 20/16, dust was obsevered due to cars along Clarkson Avenue. Not related to onsite work
2/15/2024	X		PM 10 was 16/22, dust was observed from cars along Clarkson Avenue due to soil left by trucks leaving the site. Trident swept the area
2/29/2024	X		PM 10 was 8/9, dust was observed along Clarkson Avenue due to trucks leaving the Site. Trident washed the truck tires and swept the area.
3/1/2024	X		PM 10 was 16/18, no dust just soil observed outside the southwest gate.
3/5/2024	X		PM 10 was 8/8, soil observed on Clarkson Avenye from the tires of trucks leaving the site. Trident washed the tires and swept the area.
3/6/2024	X		PM 10 was 48/42, soil observed on Clarkson Avenye from the tires of trucks leaving the site. Trident washed the tires and swept the area.
3/15/2024	X		PM 10 was 29/33, dust was observed onsite while Trident moved tampers across the site. Equipment was immediately turned off.
3/19/2024	X	.	PM 10 was 6/12, dust observed due to windy conditions
3/20/2024	X		PM 10 was 20/24, dust was observed when neighboring operations moved Trident's barricades. The are was wet down and cleaned up
4/1/2024	X		PM 10 was 20/37, mud was observed on Clarkson Avenue due to truck leaving the site. Trident cleaning the street.
4/2/2024	X		PM 10 was 46/39, mud obsevered on Clarkson Avenue due to trucks leaving the site. Filter fabric added to tracking pad and rinsing of truck tires.
4/3/2024	X		PM 10 was 9/10, mud obsevered on Clarkson Avenue due to trucks leaving the site. Trident began spraying down the roadway and truck tires.
4/26/2024	X		PM 10 was 26/16, dust observed while excavator was moving across dry soil. Operator worked slowly to allow time for dust to settle. Dust did not move offsite or affect high readings.
5/1/2024	X		PM 10 was 42/34, mud was observed along Clarkson Avenue from trucks leaving the site. Trident cleaned the area and placed new 3-inch stone. Trucking was paused
5/7/2024	X		PM 10 was 13/6, soil was observed along Clarkson Avenue from trucks leaving the site. Trident cleaned the area and rinsed tires
5/24/2024	X		PM 10 was 26/13, soil was tracked onto Clarkson Avenue from trucks leaving the site. Trident cleaned the street and rinsed tires.
7/18/2024	X		PM 10 was 23/35, soil was observed along Parkside Avenue after JNR used site soil to soak up a hydraulic spill. The soil was cleaned from Parkside Avenye and palced in a labeled 5-gallon bucket to be properly disposed of.

FIGURES



LEGEND

APPROXIMATE SITE BOUNDARY

SERVICE LAYER CREDITS: WORLD TOPOGRAPHIC MAP: NYC OPENDATA, STATE OF NEW JERSEY, ESRI, HERE, GARMIN, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA

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CAMBA HOUSING SITE L CLARKSON ESTATE
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BROOKLYN, NY

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PREPARED FOR:
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SITE LOCATION MAP

PROJ MGR: RJ	REVIEWED BY: RJ	CHECKED BY: PJ	FIGURE 1
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DATE: 10/04/2024	PROJECT NO: 12.0077434.00	REVISION NO:	

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APPROXIMATE SITE BOUNDARY

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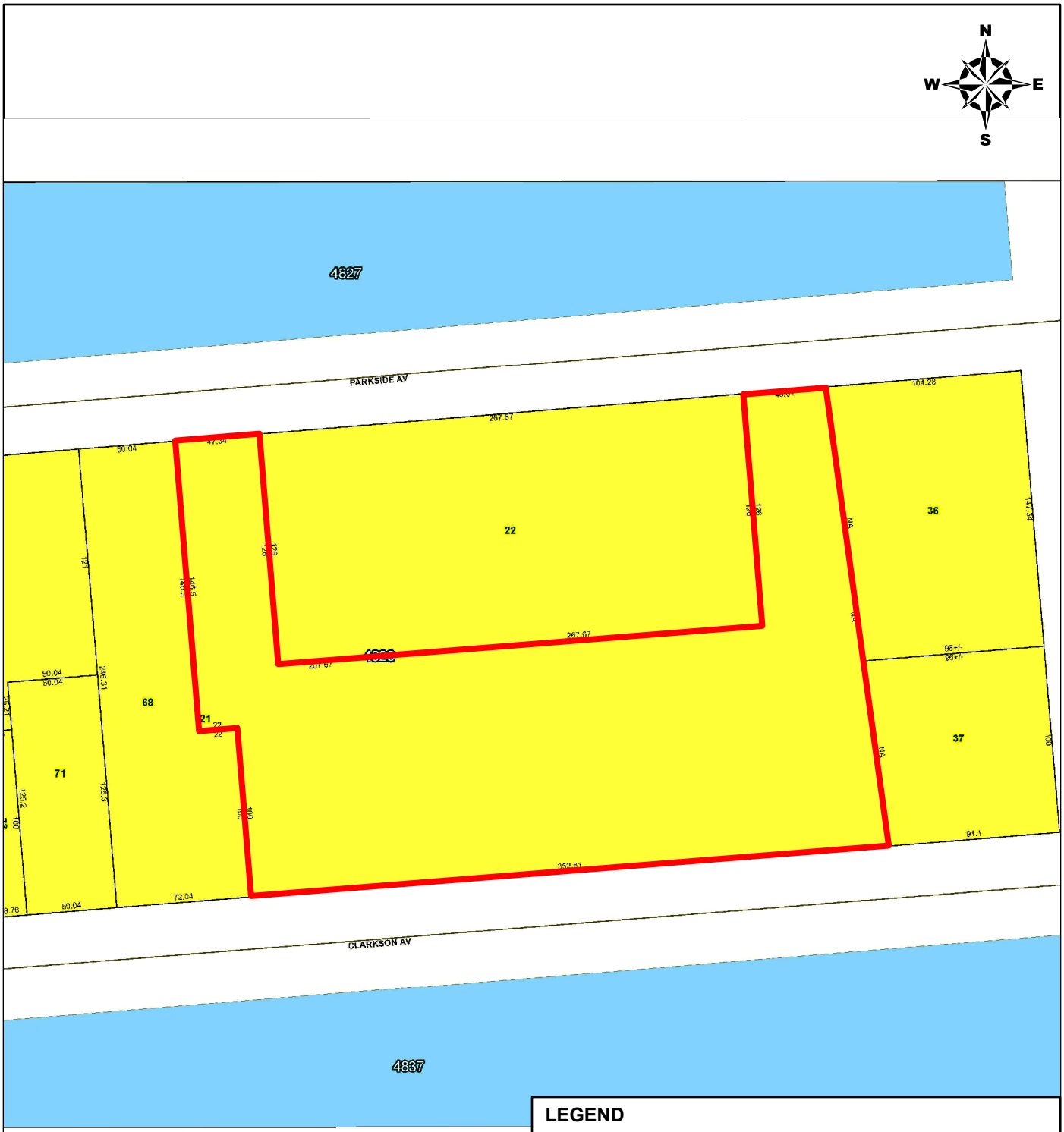
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SITE BOUNDARY MAP

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APPROXIMATE SITE BOUNDARY

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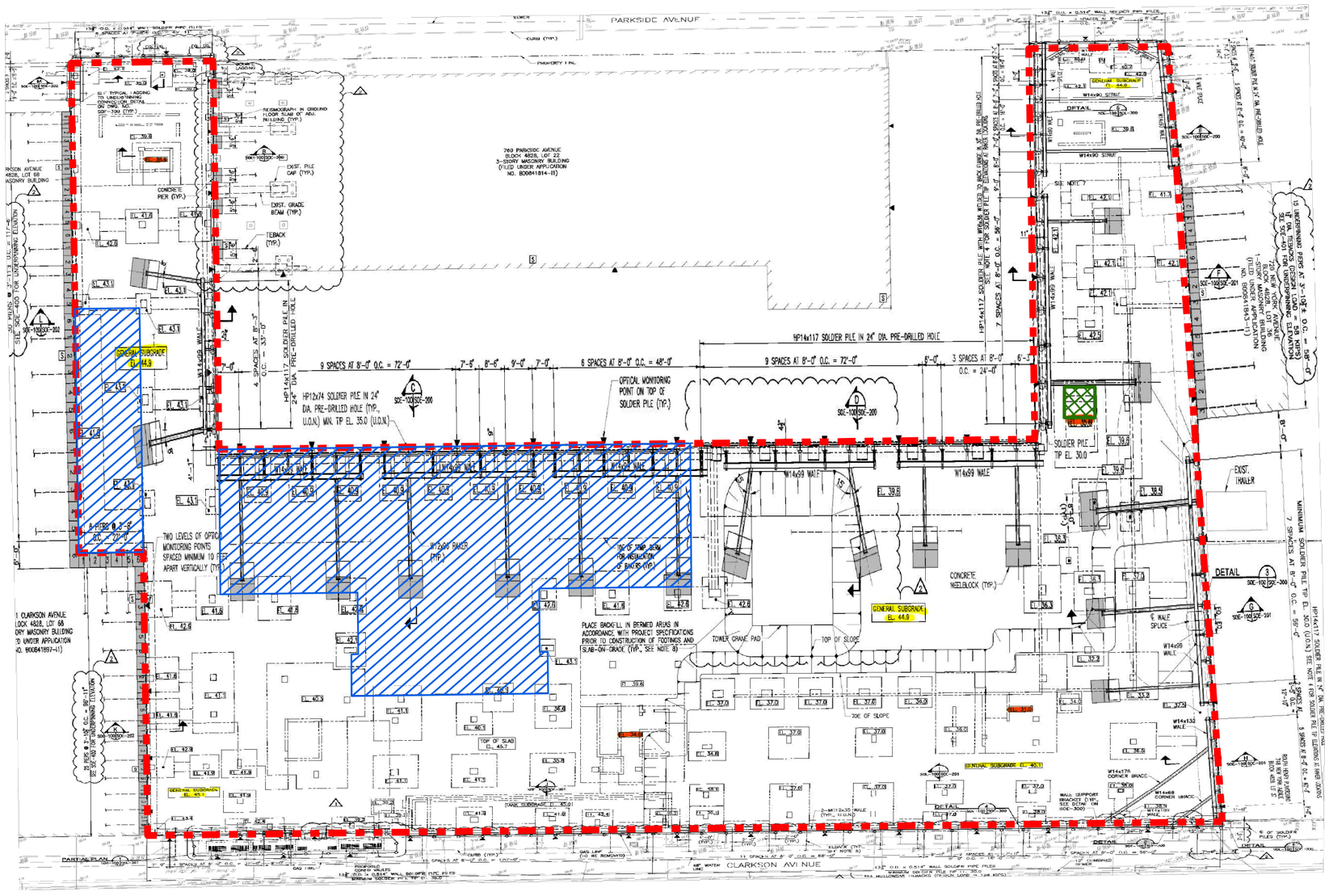
TAX MAP

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PROJ MGR: RJ	REVIEWED BY: RJ	CHECKED BY: PJ	FIGURE 3
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LEGEND

- APPROXIMATE SUBJECT PROPERTY BOUNDARY
- IMPORTED BACKFILL AREA
- HOT SPOT REMOVAL

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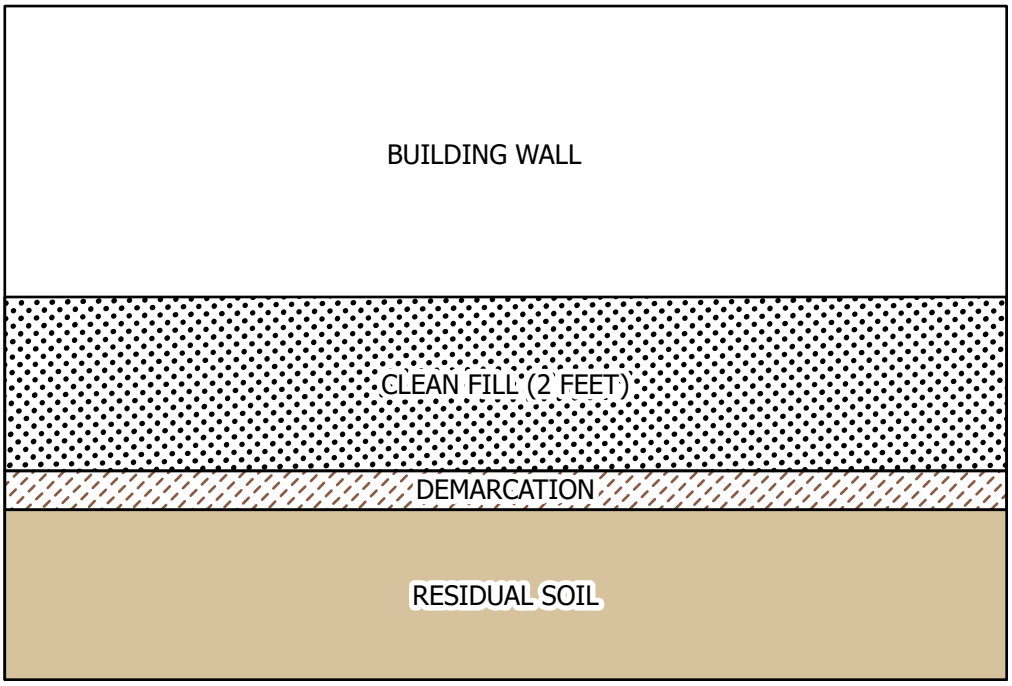
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EXCAVATION AND BACKFILL AREAS

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PROJ MGR: RJ	REVIEWED BY: RJ	CHECKED BY: PJ	FIGURE 4
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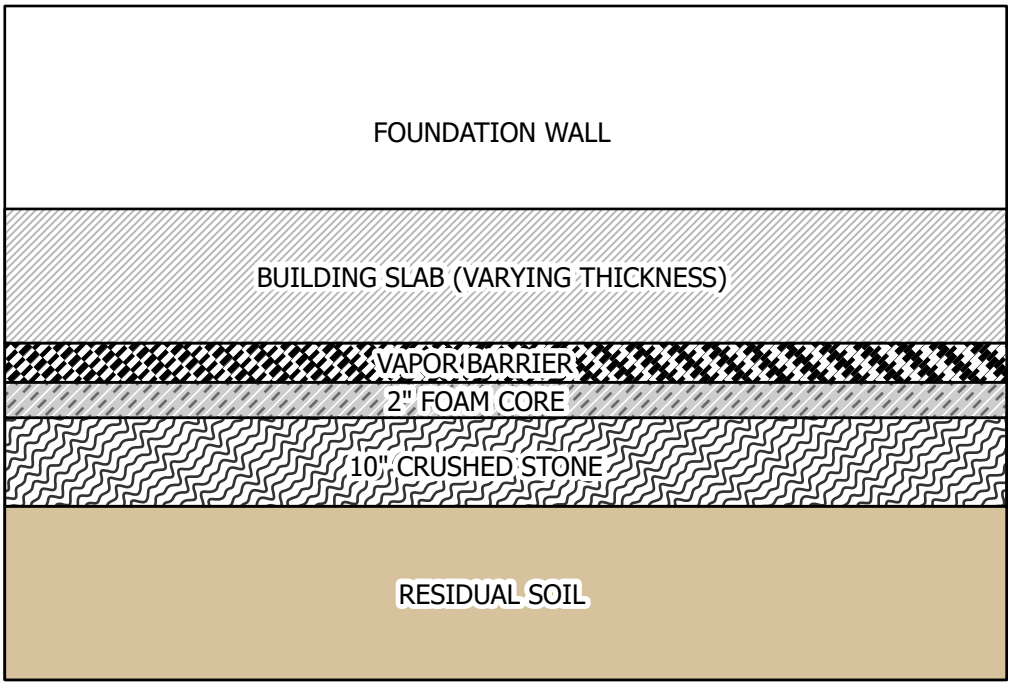
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PARKSIDE AVENUE
CLARKSON AVENUE
Backfill
760 PARKSIDE AVENUE
BLOCK 4828
LOT 22
3-STORY MASONRY BUILDING
319 CLARKSON AVENUE
BLOCK 4828
LOT 68
2-STORY MASONRY BUILDING
319 CLARKSON AVENUE
BLOCK 4825
LOT 68
1-STORY MASONRY BUILDING
PROPERTY LINE
CURB (TYP.)
18" WATER LINE
24" COMBINED SEWER
UNDERPINNING PIER INSTALLATION SEQUENCE NUMBER (TYP.)
SEISMOGRAPH IN GROUND FLOOR SLAB OF ADJ. BUILDING (TYP.)
19 UNDERPINNING PIERS AT 4'-0" ± O.C. = 76'-0"
4" DIA. TIEBACKS (DESIGN LOAD = 58 KIPS)
HP14x117 SOLDIER PILE IN 24" DIA. PRE-DRILLED HOLE
HP12x74 SOLDIER PILE IN 24" DIA. PRE-DRILLED HOLE (TYP., U.O.N.) MIN. TIP EL. 35.0 (U.O.N.)
OPTICAL MONITORING POINT ON TOP OF SOLDIER PILE (TYP.)
W14x99 WALE
W14x90 STRUT
W14x74 STRUT
W14x61 WALE
W14x68 WALE
W14x53 WALE
W14x43 WALE
W14x30 WALE
W14x22 WALE
W14x74 WALE
W14x68 WALE
W14x61 WALE
W14x53 WALE
W14x43 WALE
W14x30 WALE
W14x22 WALE
W14x74 STRUT
W14x68 STRUT
W14x61 STRUT
W14x53 STRUT
W14x43 STRUT
W14x30 STRUT
W14x22 STRUT



CLEAN FILL

NOT TO SCALE



SSDS

NOT TO SCALE

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TYPICAL COVER SYSTEM

PROJ MGR: RJ	REVIEWED BY: RJ	CHECKED BY: PJ	FIGURE
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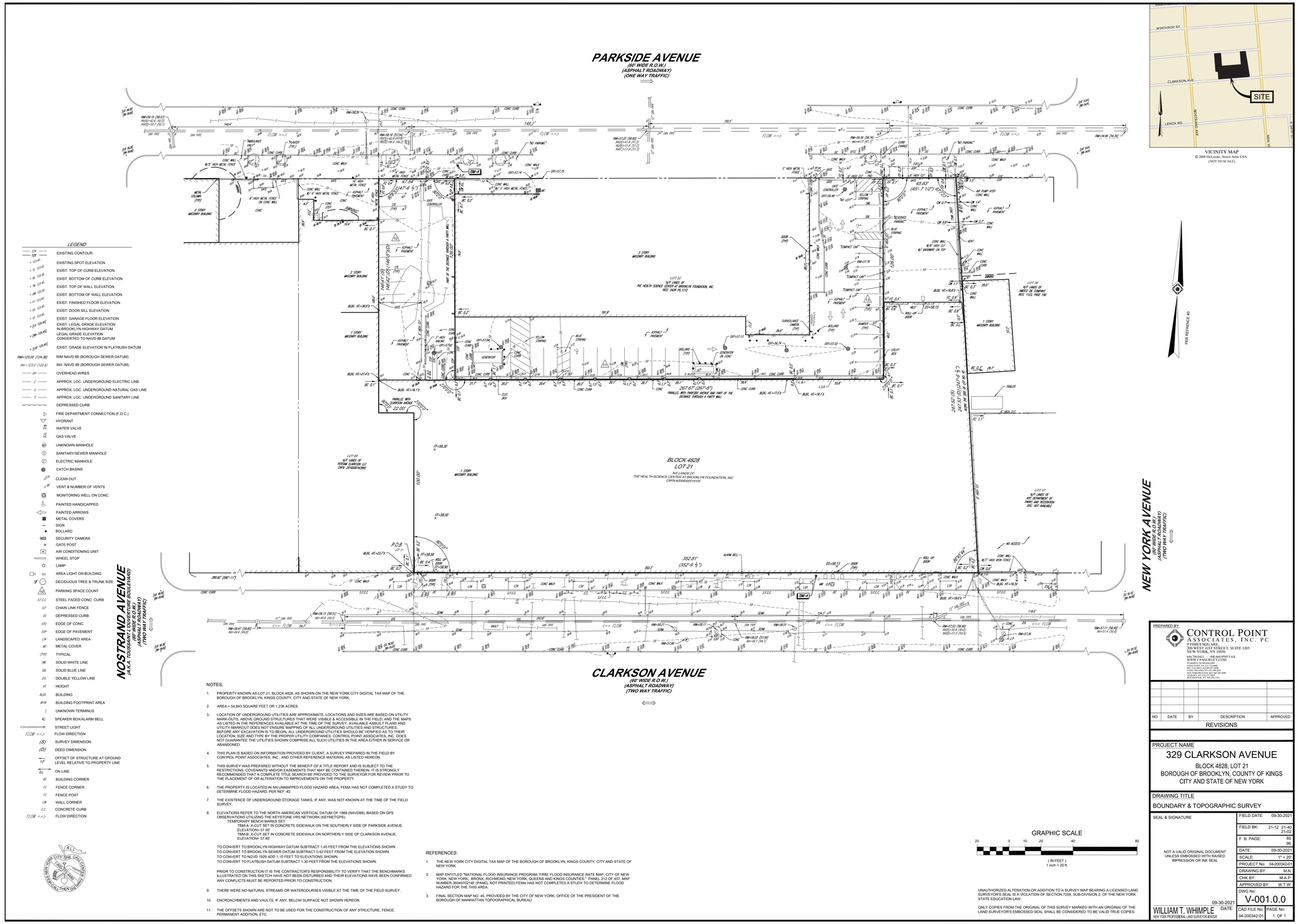
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APPENDIX

APPENDIX A

Survey Map

SITE SURVEY



VICINITY MAP
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(NOT TO SCALE)

LEGEND

124 / 125	EXISTING CONTOUR
+ 123.45	EXISTING SPOT ELEVATION
+ TC 123.45	EXIST. TOP OF CURB ELEVATION
+ BC 123.45	EXIST. BOTTOM OF CURB ELEVATION
+ TW 123.45	EXIST. TOP OF WALL ELEVATION
+ BW 123.45	EXIST. BOTTOM OF WALL ELEVATION
+ FF 123.45	EXIST. FINISHED FLOOR ELEVATION
+ DS 123.45	EXIST. DOOR SILL ELEVATION
+ GF 123.45	EXIST. GARAGE FLOOR ELEVATION
+ [98.76] 125.45	EXIST.; LEGAL GRADE ELEVATION IN BROOKLYN HIGHWAY DATUM. LEGAL GRADE ELEVATION CONVERTED TO NAVD 88 DATUM
+ [98] 125.45	EXIST. GRADE ELEVATION IN FLATBUSH DATUM
RIM=125.00 (124.38)	RIM NAVD 88 (BOROUGH SEWER DATUM)
INV.=123.0 (122.4)	INV. NAVD 88 (BOROUGH SEWER DATUM)
OH	OVERHEAD WIRES
E	APPROX. LOC. UNDERGROUND ELECTRIC LINE
G	APPROX. LOC. UNDERGROUND NATURAL GAS LINE
S	APPROX. LOC. UNDERGROUND SANITARY LINE
	DEPRESSED CURB
	FIRE DEPARTMENT CONNECTION (F.D.C.)
	HYDRANT
	WATER VALVE
	GAS VALVE
	UNKNOWN MANHOLE
	SANITARY/SEWER MANHOLE
	ELECTRIC MANHOLE
	CATCH BASINS
	CLEAN OUT
	VENT & NUMBER OF VENTS
	MONITORING WELL ON CONC.
	PAINTED HANDICAPPED
	PAINTED ARROWS
	METAL COVERS
	SIGN
	BOLLARD
	SECURITY CAMERA
	GATE POST
	AIR CONDITIONING UNIT
	WHEEL STOP
	LAMP
	AREA LIGHT ON BUILDING
	DECIDUOUS TREE & TRUNK SIZE
	PARKING SPACE COUNT
S.F.C.C.	STEEL FACED CONC. CURB
CLF	CHAIN LINK FENCE
DC	DEPRESSED CURB
EOC	EDGE OF CONC.
EOP	EDGE OF PAVEMENT
LSA	LANDSCAPED AREA
MC	METAL COVER
(TYP)	TYPICAL
SWL	SOLID WHITE LINE
SBL	SOLID BLUE LINE
DYL	DOUBLE YELLOW LINE
HT.	HEIGHT
BLDG.	BUILDING
BFPA	BUILDING FOOTPRINT AREA
?	UNKNOWN TERMINUS
	SPEAKER BOX/ALARM BELL
	STREET LIGHT
FLOW ==>	FLOW DIRECTION
(S)	SURVEY DIMENSION
(D)	DEED DIMENSION
1.67'	OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE
O/L	ON LINE
BC	BUILDING CORNER
FC	FENCE CORNER
FP	FENCE POST
CR	WALL CORNER
CC	CONCRETE CURB
FLOW ==>	FLOW DIRECTION

NOTES:

1. PROPERTY KNOWN AS LOT 21, BLOCK 4828, AS SHOWN ON THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF BROOKLYN, KINGS COUNTY, CITY AND STATE OF NEW YORK.
2. AREA = 54,843 SQUARE FEET OR 1.236 ACRES.
3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY CLIENT, A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC., AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
5. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN. IT IS STRONGLY RECOMMENDED THAT A COMPLETE TITLE SEARCH BE PROVIDED TO THE SURVEYOR FOR REVIEW PRIOR TO THE PLACEMENT OF OR ALTERATION TO IMPROVEMENTS ON THE PROPERTY.
6. THE PROPERTY IS LOCATED IN AN UNMAPPED FLOOD HAZARD AREA. FEMA HAS NOT COMPLETED A STUDY TO DETERMINE FLOOD HAZARD, PER REF. #2.
7. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
8. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS).
   TEMPORARY BENCH MARKS SET:
   TBM-A: X-CUT SET IN CONCRETE SIDEWALK ON THE SOUTHERLY SIDE OF PARKSIDE AVENUE, ELEVATION= 57.95'
   TBM-B: X-CUT SET IN CONCRETE SIDEWALK ON NORTHERLY SIDE OF CLARKSON AVENUE, ELEVATION= 57.85'

   TO CONVERT TO BROOKLYN HIGHWAY DATUM SUBTRACT 1.45 FEET FROM THE ELEVATIONS SHOWN.
   TO CONVERT TO BROOKLYN SEWER DATUM SUBTRACT 0.62 FEET FROM THE ELEVATION SHOWN.
   TO CONVERT TO NGVD 1929 ADD 1.10 FEET TO ELEVATIONS SHOWN.
   TO CONVERT TO FLATBUSH DATUM SUBTRACT 1.30 FEET FROM THE ELEVATIONS SHOWN.

   PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION.
9. THERE WERE NO NATURAL STREAMS OR WATERCOURSES VISIBLE AT THE TIME OF THE FIELD SURVEY.
10. ENCROACHMENTS AND VAULTS, IF ANY, BELOW SURFACE NOT SHOWN HEREON.
11. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.

REFERENCES:

1. THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF BROOKLYN, KINGS COUNTY, CITY AND STATE OF NEW YORK.
2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, CITY OF NEW YORK, NEW YORK, BRONX, RICHMOND, NEW YORK, QUEENS AND KINGS COUNTIES," PANEL 212 OF 457, MAP NUMBER 3604970214F (PANEL NOT PRINTED) FEMA HAS NOT COMPLETES A STUDY TO DETERMINE FLOOD HAZARD FOR THE THIS AREA.
3. FINAL SECTION MAP NO. 45, PROVIDED BY THE CITY OF NEW YORK, OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN TOPOGRAPHICAL BUREAU.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

PREPARED BY:
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NO.	DATE	BY	DESCRIPTION	APPROVED

REVISIONS

PROJECT NAME
329 CLARKSON AVENUE
BLOCK 4828, LOT 21
BOROUGH OF BROOKLYN, COUNTY OF KINGS
CITY AND STATE OF NEW YORK

DRAWING TITLE
BOUNDARY & TOPOGRAPHIC SURVEY

SEAL & SIGNATURE

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR INK SEAL.

09-30-2021
WILLIAM T. WHIMPLE — DATE
NEW YORK PROFESSIONAL LAND SURVEYOR #050928

FIELD DATE:	09-30-2021
FIELD BK:	21-12 21-40 21-02
F. B. PAGE:	60 66
DATE:	09-30-2021
SCALE:	1" = 20'
PROJECT No:	04-200342-01
DRAWING BY:	M.N.
CHK BY:	M.A.P.
APPROVED BY:	W.T.W.
DWG No:	V-001.0.0
CAD FILE No:	04-200342-01
PAGE No:	1 OF 1

APPENDIX B

Remedial System Optimization Investigation

Jonathan Mitchell
Project Engineer
Site Investigation and Remediation

April 22, 2022

Mr. Scott Deyette
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013

Re: Final Remedial System Optimization Investigation Report
329 Clarkson Avenue Property, Southern Parcel
Flatbush Station A&B Former Gas Holder/ MGP Site
Brooklyn, Kings County, NY
NYSDEC Site No.: 224061, Order on Consent Index #: A2-0552-0606

Dear Mr. Deyette:

Please find attached for your review and approval the Final Remedial System Optimization Investigation (RSOI) Report, 329 Clarkson Avenue, Southern Parcel. This property is located within the Flatbush Station A&B Former Gas Holder/Manufactured Gas Plant (MGP) Site located in Flatbush, Brooklyn, New York.

This RSOI Report was developed pursuant to the Order on Consent and Administrative Settlement (OCAS) Index No. A2-0552-0606 between the Brooklyn Union Gas Company (now d/b/a National Grid) and the New York State Department of Environmental Conservation (NYSDEC) and in accordance with the NYSDEC DER-10, technical guidance for site investigation and remediation.

If you have any questions, comments, or require any additional information, please do not hesitate to contact me at (631) 338-8636 or via electronic mail (e-mail) at jonathan.mitchell@nationalgrid.com.

Sincerely,

Joshua C. Millard

On behalf of

Jonathan Mitchell
Project Engineer

Enclosures: Final RSOI Report

175 East Old Country Road, Hicksville, NY
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cc: S. Selmer, NYSDOH
D. MacNeal, NYSDEC
M. Quinlan, National Grid
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F. Murphy, National Grid
J. Millard, AECOM
P. Cox, AECOM

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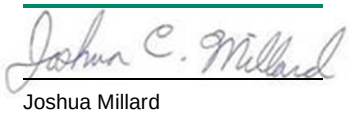
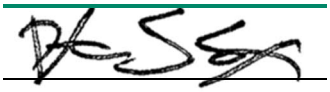
FINAL Remedial System Optimization Investigation Report
329 Clarkson Avenue Street, Southern Parcel

Flatbush Station A&B Former Gas Holder Site
Brooklyn, New York
NYSDEC Site No.: 224061
Order on Consent Index #: A2-0552-0606

April 2022

Project No. 60625627

Quality information

Prepared by	Verified by
	
Joshua Millard	Peter Cox, P.G.
Project Manager	Sr. Project Manager

Prepared for:

National Grid, USA
287 Maspeth Avenue, Brooklyn, NY 11211

Prepared by:

AECOM
One World Financial Center
200 Liberty Street, 25th floor
New York, NY 10281

Professional Certification

I, Peter S. Cox, certify that I am currently a Qualified Environmental Professional (QEP) as defined in 6 NYCRR Part 375 and that this Remedial System Optimization Investigation Report for the 329 Clarkson Avenue property on the Southern Parcel of the Flatbush Station A&B Former Gas Holder Site was prepared in accordance with all applicable statutes and regulation and in substantial conformance with the Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10).

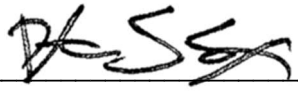
Signature  Date April 22, 2022

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List of Acronyms

ADT	Aquifer Drilling and Testing, Inc.
AECOM	AECOM, USA, Inc.
ASP	Analytical Services Protocol
AST	Aboveground Storage Tank
ASTM	American Society for Testing Materials
AWQSGV	Ambient Water Quality Standards and Guidance Values
BUG	Brooklyn Union Gas Company
CAMP	Community Air Monitoring Plan
CCS	Composite Cover System
CGE	Clean Global Environmental
COC	Constituent of Concern
CSM	conceptual site model
CUSCO	Commercial Use Soil Cleanup Objective
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
ECs	Engineering Controls
EDR	Environmental Data Resources
EEs	Environmental Easements
ft bgs	feet below ground surface
gpm	gallons per minute
ICs	Institutional Controls
IDW	Investigation Derived Waste
I.E.P.	Independent Electric Plant
mg/Kg	milligrams per Kilograms
MGP	Manufactured Gas Plant
MNA	Monitored Natural Attenuation
NAD 83	North American Datum of 1983
NAPL	Non-Aqueous Phase Liquid
NAVD 88	North American Vertical Datum of 1988
NYC	New York City
NYCDOS	New York City Department of Sanitation
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OASIS	Open Accessible Space Information System Cooperative
OCAS	Order on Consent and Administrative Settlement
PAH	Poly-nuclear Aromatic Hydrocarbon
PCBs	Polychlorinated biphenyls
PFAS	per- and polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
PID	Photoionization detector
ppm	parts per million
PRR7	Seventh Periodic Review Report
QA	Quality assurance
QAPP	Quality Assurance Project Plan
QC	Quality control

RCOs	Recommended Clean-up Objectives
RCRA	Resource Conservation and Recovery Act
RPD	relative percent difference
RRUSCO	Restricted Residential Use Soil Clean-up Objective
RSOI	Remedial System Optimization Investigation
SCG	Standards, Criteria and Guidance
SC	Site Characterization
SMP	Site Management Plan
SOP	Standard Operating Procedure
SSC	Supplemental Site Characterization
SVE	Soil Vapor Extraction
SVOC	Semivolatile organic compounds
TAGM	Technical and Administrative Guidance
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Potential
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
µg/L	microgram per liter
µg/m^3	Microgram per meter cubed
VOC	Volatile organic compound
VISLs	Vapor Intrusion Screening Levels

Executive Summary

This Remedial System Optimization Investigation (RSOI) has been prepared on behalf of National Grid by AECOM USA, Inc. (AECOM) for the 329 Clarkson Avenue property on the Southern Parcel of the Flatbush Station A&B former Gas Holder/Manufactured Gas Plant (MGP) Site (Site) located in Flatbush, Brooklyn, New York. The RSOI Work Plan was developed pursuant to the Order on Consent and Administrative Settlement (OCAS) [Index No. A2-0552-0606, (NYSDEC, 2007)] and in accordance with applicable guidelines of the NYSDEC and the New York State Department of Health (NYSDOH).

The 329 Clarkson Avenue property occupies an area of approximately 1.26 acres on the Southern Parcel of the Site. It is operated by The Health Science Center at Brooklyn Foundation, Inc., and its affiliates as a covered parking facility. The MGP was operated by the Flatbush Gas Company and later the Brooklyn Union Gas Company (BUG), and began operations prior to 1873. By 1904, the Flatbush Gas Company had ceased gas production operations and was purchasing gas from BUG for storage and distribution. The Flatbush Gas Company was also operating an Independent Electric Plant (I.E.P) on the Southern Parcel by 1904. By 1927, the Flatbush Gas Company was fully integrated into BUG, and operations on the Southern Parcel had ceased. The gas distribution operations on the Northern Parcel ceased sometime between 1950 and 1979. By 1958, the Southern Parcel had been developed into parking lots, a tobacco and candy distribution center, and manufacturing. The building currently present on the 329 Clarkson Avenue property was constructed at this time and used for manufacturing. Since 1995, the interior of this building has been used by the Health Science Center for employee parking, and by the facilities department for storage of equipment and materials.

The 329 Clarkson Avenue Property is being planned for a multi-use development, which includes residential space, community facilities, recreational and ornamental garden areas, and underground parking. In accordance with the NYSDEC-approved Site Management Plan (SMP, NYSDEC, 2014), the RSOI is being implemented to evaluate the risk of exposure for the construction workers and future residents to potential residuals from the former gas operations. The objectives of the RSOI include the following:

- Summarize available documents and reports pertaining to the historic operations on the 329 Clarkson Avenue property.
- Verify, to the extent possible, and investigate the location of the former MGP structures, including the brick oil tank and oil house on the 329 Clarkson Avenue property.
- Collect soil samples to delineate the extent and distribution of any residual MGP-related impacts and compare to the NYSDEC Part 375-6 Restricted Residential Use Criteria for soil samples.
- Evaluate the presence of per- and polyfluoroalkyl substances (PFAS) throughout the vadose zone beneath the parcel.
  - In January 2021, the NYSDEC Division of Environmental Remediation (DER) issued the Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs document (NYSDEC, 2021), which requires PFAS sampling as part of any site characterization and/or investigation conducted under DER programs. PFAS have historically not been evaluated at MGP and holder sites because they are not associated with former MGP operations. It is well documented that PFAS were not manufactured before the 1940's. The manufacturing of gas at Flatbush ended around 1904, after which the Northern Parcel was used only for gas storage and distribution before being sold and used for other purposes. PFAS data collected during this investigation is **not representative of residuals from historical MGP operations.** National Grid is not responsible to remediate PFAS.

The RSOI was conducted on the 329 Clarkson Avenue property and included the excavation of 2 test pits from 2 to 7 feet below ground surface (ft bgs) depending on the presence and depth of concrete

foundations, the advancement of 19 soil borings to depths ranging from 20 to 90 ft bgs, the installation of 10 soil vapor points (installed in the soil borings), and laboratory analyses of 68 soil samples and 10 soil vapor samples. The fieldwork for the RSOI was completed in accordance with the NYSDEC and NYSDOH approved RSOI Work Plan dated May 14, 2021 (AECOM, 2021).

The data presented in this RSOI Report includes the initial Site Characterization (SC) phase performed from January through March 2011, the SC addendum phase performed from June through August 2011, and the RSOI phase performed from August 14, 2021 to November 3, 2021.

Results of the investigation indicate that the former use of the property for the manufacture of gas and the generation of electric power did not result in the release of MGP-related residuals to subsurface media. While foundations of the former site structures (the Brick Oil Tank, Oil House, and Boiler House) were encountered, NAPL blebs, coating, saturation, or sheens were not observed within the structures or in any of the soil borings or test pits excavated on the property. Olfactory observations were primarily at the groundwater table and below and consisted of petroleum-like and gasoline-like odors in the northeast corner of the property, while deeper observations within the water table were described as naphthalene-like. The majority of the soil samples with detections of constituents of above the NYSDEC restricted residential use soil cleanup objectives (RRUSCOs) were present in urban fill in the upper 5 ft of soils, as well as a few samples down to 20 ft bgs. These soils were distributed through the central part of the property as well as beneath the northeast corner. Some of the soil samples with PAHs above the RRUSCOs were encountered within the footprint of the Oil House and the Boiler House, and none were encountered within the former Brick Oil Tank. The highest concentrations of constituents were detected in the northeast corner of the property at investigation locations installed adjacent to the BP gasoline service station indicating an off-site, non-MGP source of impacts.

1. Introduction

This Remedial System Optimization Investigation (RSOI) Report has been prepared on behalf of National Grid by AECOM for the 329 Clarkson Avenue Property on the Southern Parcel of the Flatbush Station A&B former Gas Holder/MGP Site (Site) located in Flatbush, Brooklyn, New York. The RSOI was developed pursuant to the Order on Consent and Administrative Settlement (OCAS) [Index No. A2-0552-0606, (NYSDEC, 2007)] and in accordance with applicable guidelines of the NYSDEC and the NYSDOH. The Site location is illustrated on a portion of the United States Geological Survey (USGS) 7.5 Minute Jamaica Quadrangle map in **Figure 1-1**.

The fieldwork for the RSOI was completed in accordance with the NYSDEC and NYSDOH approved RSOI Work Plan dated May 14, 2021 (AECOM, 2021).

1.1 Remedial System Optimization Investigation Objectives

The 329 Clarkson Avenue Property is being planned for a multi-use development, which includes residential space, community facilities, recreational and ornamental garden areas, and underground parking. In accordance with the NYSDEC-approved Site Management Plan (SMP, NYSDEC, 2014), the RSOI is being implemented to evaluate the risk of exposure for the construction workers and future residents to potential residuals from the former gas operations. The objectives of the RSOI include the following:

- Summarize available documents and reports pertaining to the historic operations on the 329 Clarkson Avenue property.
- Verify, to the extent possible, and investigate the location of the former MGP structures, including the brick oil tank and oil house on the 329 Clarkson Avenue property.
- Collect soil samples to delineate the extent and distribution of any residual MGP-related impacts and compare to the NYSDEC Part 375-6 Restricted Residential Use Criteria for soil samples.
- Evaluate the presence of per- and polyfluoroalkyl substances (PFAS) throughout the vadose zone beneath the parcel.
    - In January 2021, the NYSDEC DER issued the Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs document (NYSDEC, 2021), which requires PFAS sampling as part of any site characterization and/or investigation conducted under DER programs. Sampling for PFAS in soil was included in the RSOI work plan in compliance with the January 2021 guidance document. However, PFAS have historically not been evaluated at MGP sites because they are not associated with former MGP operations. PFAS comprise a diverse group of synthetic chemicals used in various military, industrial applications, and consumer products, and it is well documented that PFAS were not manufactured before the 1940's. As detailed in **Section 2.2**, the manufacturing of gas at Flatbush ended around 1904, after which the Southern Parcel was used only for electric generation and distribution before being sold and used for other purposes (see Section 2.2 Site History). Therefore, the PFAS data collected during this investigation is **not representative of residuals from historical MGP operations** at this Site that National Grid is responsible to remediate. PFAS data collected as part of this investigation is being provided to the NYSDEC **for informational purposes only**.
- Evaluate the potential for soil vapor intrusion into the future building from MGP as well as non-MGP related residuals (if present) as required by the Site Management Plan (AECOM, 2014), and determine whether any mitigation measures are necessary for the Site and/or building design.

1.2 Scope of Work

The scope of work for the RSOI, as defined in the NYSDEC/NYSDOH approved RSOI Work Plan included the following:

- Pre-investigation coordination/meetings to facilitate implementation of the RSOI;
- Locating underground utilities in the investigation areas;
- Advancement of soil borings and test pits, and the collection of subsurface soil samples for analysis;
- Community air monitoring during intrusive drilling and test pitting activities;
- Conversion of a subset of soil borings to soil vapor sampling points;
- Soil vapor sampling and laboratory analysis;
- Surveying of all new sampling points (test pits, borings, and soil vapor points); and
- Investigation derived waste (IDW) management.

The data presented in this RSOI Report includes the initial Site Characterization (SC) phase performed from January through March 2011, the SC addendum phase performed from June through August 2011, and the RSOI phase performed from August 14, 2021 to November 3, 2021.

1.3 Report Organization

The report is organized into the following sections:

- Section 2 – provides a description of the Site and the Southern Parcel, summary information regarding property ownership and operational history.
- Section 3 – provides a description of field investigation activities for the Southern Parcel.
- Section 4 – provides a discussion of field observations of environmental conditions encountered and discussion of chemical analyses performed, the quality control and quality assurance sample collection and evaluation, and the environmental sample analytical results.
- Section 5 – provides a discussion of the Qualitative Human Health Risk Assessment.
- Section 6 – summarizes the RSOI conclusions and recommendations.

Tables and figures are included in sections that immediately follow the report text.

Appendices to the RSOI Report include the following:

- Appendix A – Supplemental Site Characterization Work Plan, Southern Parcel, Flatbush Station A & B Former Gas Holder Site
- Appendix B – 2020 Fourth Annual Groundwater Monitoring Report and Seventh Periodic Review Report (PRR7)
- Appendix C – Community Air Monitoring Program Data (CD-ROM Disk)
- Appendix D – 2021 Geophysical Report 329 Clarkson Avenue
- Appendix E - Test Pit, Soil Boring, and Monitoring Well Logs
- Appendix F – Soil Vapor Sampling Records
- Appendix G – Data Usability Summary Reports (CD-ROM Disk)

2. Site Description and History

This section presents a description of the Site and the 329 Clarkson Avenue property on the Southern Parcel, including ownership, land use and zoning, and the history, geologic and hydrogeologic setting, previous investigations, and regulatory status of the Site.

2.1 Site Description

The 329 Clarkson Avenue property occupies an area of approximately 1.26 acres within the Flatbush Site. The former Holder/MGP Site is an approximately 5-acre area bounded by Winthrop Street to the north, Clarkson Avenue to the south, and commercial properties to the east and to the west (see **Figure 2-1**). Parkside Avenue dissects the Site into two parcels: the Northern Parcel and the Southern Parcel. The 329 Clarkson Avenue property is located on the Southern Parcel. Also present on the Southern Parcel is 760 Parkside Avenue which is bordered by the 329 Clarkson Avenue property on three sides (East, South, and West). The 329 Clarkson Avenue property is operated as a parking facility (garage converted from former warehouse), and a storage area for the Health Science Center at Brooklyn Foundation, Inc. (Health Science Center) including facility vehicles, grounds and maintenance equipment, and materials.

The current property owner of the 329 Clarkson Avenue property is listed below based on NYC Department of Finance website information obtained from the NYC Open Accessible Space Information System Cooperative (OASIS) on-line database. **Figure 2-2** shows a parcel map of the Southern Parcel.

Parcel	Owner	Parcel Address	Land Use
Block 4828, Lot 21	The Health Science Center at Brooklyn Foundation, Inc.	329 Clarkson Avenue, Brooklyn, NY 11226	Parking facilities/garage

The NYC Department of City Planning has listed the zone classification for Block 4828, Lot 21 as M1-1 (See Figure 2-3). Zone classification M1-1 is for mixed use which includes light manufacturing, commercial buildings, and residential properties. As specified in Section 2.3.2 Institutional Controls (ICs) of the 2016 NYSDEC Approved Site Management Plan (SMP):

- *The 329 Clarkson Avenue property may only be used for Restricted Commercial Use provided that the long-term ECs/ICs included in the SMP are employed; and*
- *The 329 Clarkson Avenue property may not be used for a higher level of use, such as Restricted Residential Use without additional remediation (if required) and amendment of the Environmental Easement [pending], as approved by the NYSDEC (AECOM, 2016).*

The IC differs from the zoning to prevent the use of the property for residential use without additional investigation and remediation (if required).

2.2 Site History

A summary of the Site history was presented in the SC (AECOM, 2011) based on a review of the historic Sanborn Fire Insurance maps, aerial photographs, historical photographs, historical drawings, atlases, and historical topographical maps, as well as a review of the database report provided by Environmental Data Resources (EDR). **Figure 2-3** shows the approximate boundaries and structures of the Northern and Southern Parcels of the former Flatbush Gas Co. Sanborn maps and atlases are included in the Supplemental Site Characterization Work Plan included in **Appendix A.** A summary of the history of the Site is presented below.

The Flatbush Gas Company was established in 1864. The Gas Company is labeled, and associated buildings are visible on the 1873 and 1879 Kings County Atlases. The earliest indication of holders at the Site is depicted in the 1890 Kings County Atlas which shows the presence of two unlabeled circular structures which might have been gas holders. The two holders, gasometer GH#1 (150,000 cubic yard capacity) and gas holder GH#2 (1 million cubic yard capacity) shown on the 1905 Sanborn at 324 Winthrop Street and 760 Parkside Avenue, respectively, are believed to have been constructed at the Site between 1879 and 1905.

Between 1895 and 1897, the BUG purchased six small MGPs, including the Flatbush Gas Company, and operated them as subsidiaries until completing their integration into BUG in 1927 (Encyclopedia.com). By 1904, the Flatbush Gas Co. had ceased gas production operations and was purchasing gas from BUG for storage and distribution. The Flatbush Gas Company was also operating an Independent Electric Plant (I.E.P) in 1904. The 1905 Sanborn identifies the Boiler House on the 329 Clarkson Avenue property as an I.E.P, which produced electricity from six brick steam boilers, 2 generators, and 5 dynamos. Also present on the 329 Clarkson Avenue property were a coal shed, brick oil tank, oil house, lamp house, meter house, and offices. While two five million cubic foot gas holders (GH#3 and GH#4) are believed to have been constructed on the Northern Parcel of the Site in 1908 and 1923, respectively, and the GH#1 demolished sometime between 1912 and 1917, the Flatbush Gas Company and BUG operations on the Southern Parcel had ceased by 1925.

Between 1947 and 1954, gas holder GH#2 and associated structures located on the Sothern Parcel were removed. Two gasoline fuel tanks were present in the southwest corner of the 329 Clarkson Avenue property and adjacent to a former auto garage at this time. By 1958, the Southern Parcel had been developed into parking lots, a tobacco and candy distribution center, and manufacturing. The building currently present on the 329 Clarkson Avenue property was constructed at this time and used for manufacturing by the ABACO Fabrics Company (~1969) and then the PETER Partition Corporation (~1977 to ~1994). Since 1995, this building has been used by the Health Science Center for employee parking, and by the facilities department for storage of equipment and materials. In 2004, the 760 Parkside Avenue Property immediately north of the 329 Clarkson Avenue property was developed into a medical facility.

The twin gas holders and associated structures remained unchanged on the Northern Parcel until they were decommissioned between 1979 and 1980, however available data was insufficient to identify when gas storage and distribution activities associated with these holders were discontinued by BUG.

2.2.1 Adjacent Sites

The following adjacent sites were identified on the EDR report and not affiliated with National Grid:

- Sanchez Service Station, 750 New York Avenue, abuts the 329 Clarkson Avenue property to the east was listed on the UST and historic UST databases.
- The NYC Dept of Sanitation (NYCDOS), located at 356 Winthrop Street (Site ID: 77976), northeast of the 329 Clarkson Ave property, is listed on the LTANKS and NY Spills databases. On October 2, 2000 a spill (No. 7760) was reported due to tank failure. It was not known what type of oil or what tank the historical release was from. Additional investigation was performed by Roux Associates (Roux) according to the record. Soil impacts had been found around the dispenser and fill ports of a tank (though additional details were not provided). Five monitoring wells and a Soil Vapor Extraction (SVE) system were installed by LiRo Engineers to investigate and remediate the spill. The initial SVE system consisted of three extraction wells and four ventilation wells. In 2004, LiRo installed three new vapor extraction wells “to address shallow soil contamination.” In July-August 2005, LiRo advanced 6 soil borings, which were analyzed for the Spill Technology and Remediation Series (STARS) list of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Three of six sample locations reportedly exceeded NYSDEC former Technical and Administrative Guidance (TAGM-4046) soil cleanup standards. Impacts appeared to be limited to five feet below surface with a maximum concentration of 137,800 parts per billion of total VOCs (concentrations of

individual compounds were not listed in the EDR summary). A semi-annual monitoring report for October 2006-March 2007 submitted by Roux dated May 24, 2007 indicated that soil impacts had been remediated by the SVE system from 6 to 25 feet below surface, though soil sample results indicated that impacts still were present in shallow soils below Winthrop Street. No VOCs were detected in groundwater monitoring of five wells, and groundwater monitoring was discontinued. However, after reviewing a Semi-annual Monitoring Report by Roux dated December 21, 2007, NYSDEC recommended that a full round of groundwater samples be collected and analyzed for VOCs and SVOCs prior to closing the spill case. Following NYSDEC approval, the SVE system was shut down on April 14, 2008 on a temporary basis and soil sampling was to take place on April 15, 2008. No additional information was provided. This case has not yet been closed according to the record.

Another spill case dated July 1, 2004 indicated that the oil water separator in the garage had been removed and a soil sample from below the concrete vault had been collected. The results of the sample indicated though a few PAH compounds were “exceeding TAGM 4046 RCOs (Recommended Cleanup Objectives)”, the levels of the compounds were deemed by NYSDEC to pose no significant environmental concern, and the spill case was closed on April 25, 2005.

The Site is also is identified as a non-generator of hazardous waste and on the hazardous waste manifest database for historical waste generation. It is also listed on the underground storage tank (UST) and aboveground storage tank (AST) databases.

Nearby Sites

The following non-adjacent sites less than 1,000 feet from the Site were identified on contamination-related databases not related to National Grid. Site beyond 1,000 feet from the Site were not considered a concern based on distance, regulatory status, and nature of record.

- Manhole 64766, New York Ave and Winthrop Street located approximately 360 feet east-northeast and potentially cross gradient of the Site. One pint of oil was reported leaking from Con-Edison equipment and the case was closed on January 6, 2005. This case is not considered of environmental concern relative to the Site.
- Residence, 1237 Nostrand Avenue, located approximately 485 feet west and potentially downgradient of the Site. An unknown amount of oil was released and contained. The spill case was closed in February 2009. This case is not considered of environmental concern relative to the Site.
- Manhole 3369, Nostrand Avenue/Winthrop Street, located approximately 500 feet west-northwest and potentially downgradient of the Site. A spill of unknown material was reported in September 1999 and closed in October 1999. A similar spill case was recorded in 2000 and closed in 2001. A similar case was also recorded in 1998 where approximately 1 gallon of oil was found on the water, and the source was unknown. These cases may be of concern relative to the Site, as the source of the oil is not known.
- Kings County Hospital, Clarkson Avenue, is located east, potentially upgradient, and approximately 600 feet of the Site. It is listed on the LTANKS and SW/LF databases. In 1999 a #2 fuel oil UST was removed from the ground and impacted soil was not removed. In 2004, the replacement UST was removed and excavation for the historic release occurred. The release was closed in 2005. This case is not expected to be of concern relative to the Site. In 1987, a possible petroleum odor was detected possibly coming from the basement of Kings County Hospital. The source was not recorded, but the case was closed. This case is not expected to be of concern relative to the Site.
- Old Gas Station, 651 New York Avenue, located approximately 625 feet northeast and potentially upgradient of the Site. Soil was reportedly impacted from historical USTs (at least 14) on site. However, no record of groundwater impacts was described, and groundwater was not encountered in at least one round of sampling to 10 feet below grade. The USTs were removed, impacted soil removed, and the Site was granted no further action closure on January 6, 2009. This case is not expected to be a current concern relative to the Site.

- Manhole 3370, Nostrand and Hawthorne Avenues, located approximately 650 feet west-northwest and potentially cross gradient of the Site. Equipment was reported leaking and the case was closed in 2003. This case is not considered of environmental concern relative to the Site.
- 633 New York Avenue/Sunoco located approximately 700 feet north-northeast and cross gradient of the Site. A release was reported from a leaking tank during a UST closure. The spill case was closed in 2004. This case is not expected to be a concern relative to the Site.
- 450 Clarkson Avenue, SUNY University, located approximately 900 feet south-southeast and cross gradient of the Site. In 1992 a leaking tank of fuel oil was reported. The spill case received closure in 2002. This case is not expected to be a concern relative to the Site.

2.3 Site Physical Characteristics

2.3.1 Site Topography and Drainage

According to the 1995 USGS Brooklyn Quadrangle 7.5 Minute topographic map and information provided in the 2009 EDR report, the 329 Clarkson Avenue property is located at an elevation of 56 ft above sea level. The ground surface at the 329 Clarkson Avenue property slopes to the northeast, while regional topography slopes to the south and southeast. The 329 Clarkson Avenue property is predominantly covered by asphalt surfaces and a building with a concrete floor. Property drainage is controlled primarily by sloped surfaces and catch basins.

2.3.2 Regional Geology and Hydrology

The general geology beneath the 329 Clarkson Avenue Property and the region is Late Cretaceous, Pleistocene, and Holocene unconsolidated sediments overlying Precambrian bedrock. Within Kings County bedrock is generally overlain unconformably by a sequence of sediments 100 to more than 500 feet thick. Overlying bedrock is the Late Cretaceous Raritan Formation (Lloyd Sand and Clay Members), which are overlain by Pre-Wisconsin glaciations, Pleistocene age channel fill (Jameco Gravel), and Sangamon interglaciation lagoonal marine deposits (Gardiner's Clay). These deposits in turn are overlain by Upper Pleistocene (Wisconsin) age glacial deposits and Holocene alluvial deposits and artificial fill.

Regionally the hydrogeologic units correspond in name with geologic units described here within; the units are distinguished by depositional history and water-bearing properties. General hydrogeologic properties for each unit have been outlined by the U.S Geological Survey (Misut and Monti, 1999).

The bedrock throughout the region consists of undifferentiated gneiss, schist, and pegmatite. The crystalline bedrock exhibits a soft, clayey, weathered zone up to 100 ft thick (Misut and Monti, 1999). Based on local control points, bedrock at the site is estimated to be at depths greater than 160 feet below ground surface (ft bgs). The bedrock is relatively impermeable, with water transmitted along faults and fractures (Misut and Monti, 1999).

The Lloyd Sand Member of the Raritan Formation, which acts as an aquifer, consists mainly of deltaic deposits of fine to coarse quartzose sand interbedded with gravel, clay, and silt. The unit ranges from 0-300 feet thick and from 90-825 feet below sea level (Buxton and Shernoff, 1999). The Lloyd Sand Member yields up to 2000 gallons per minute (gpm) in some wells. Specific capacities are as high as 44 gpm per foot of drawdown. Water within the aquifer is often under artesian pressure and the horizontal hydraulic conductivity is reported to be in the range of 33-75 feet per day (ft/d) (Misut and Monti, 1999).

The Clay Member of the Raritan Formation, which acts as a confining unit, consists of gray, white, red, or purple deltaic clay and silty clay and some interbedded layers of sand and gravel. The unit ranges from 0-200 feet thick and from 30-650 feet below sea level (Buxton and Shernoff, 1999). The Clay Member is an impermeable confining unit. Local lenses and layers of sand and gravel with moderate to high permeability are encountered in some areas. The vertical hydraulic conductivity is 0.001 ft/d (Misut and Monti, 1999).

The Jameco Gravel, which acts as an aquifer, consists of coarse sand and gravel with some cobbles and boulders consisting of dark brown and dark gray igneous, metamorphic, and sedimentary rocks. The unit ranges from 0-200 feet thick and from 90-240 feet below sea level (Buxton and Shernoff, 1999). The Jameco Gravel is highly permeable and may yield as much as 1500 gpm. Specific capacities are as high as 135 gpm per foot of drawdown. Water is often under artesian pressure and the horizontal hydraulic conductivity is reported to be in the range of 200-300 ft/d (feet per day) (Misut and Monti, 1999).

The Gardiner's Clay, which acts as a confining unit, is a greenish-gray clay and silt with some interbedded sand and gravel. The unit ranges from 0-150 feet thick and from 40-200 feet below sea level (Buxton and Shernoff, 1999). The Gardiner's Clay is the principal confining unit in the region. Locally, the Gardiner's Clay may contain moderately to highly permeable sand and gravel lenses. The vertical hydraulic conductivity ranges from 0.001-0.0029 ft/d (Misut and Monti, 1999).

The Upper Pleistocene glacial deposits, which act as an aquifer, include terminal moraine deposits, ground moraine deposits, and glacial outwash deposits consisting of clay, sand, gravel and boulders. The unit ranges from 0-300 feet thick (Buxton and Shernoff, 1999). The hydrogeologic properties of the Upper Pleistocene glacial deposits (upper glacial aquifer) are highly variable. The till is poorly permeable, the sand and gravel part of the outwash is highly permeable. Yields of individual wells are as much as 1,700 gpm. Specific capacities of wells are as much as 109 gpm per foot of drawdown and the horizontal hydraulic conductivity ranges from 20-80 ft/d in the moraines to 200-300 ft/d in the outwash (Misut and Monti, 1999).

The recent Holocene deposits are grouped with the upper glacial aquifer and consist of tan to white beach sand and gravel, dune sand and gray bay bottom silt and clay deposits. The beach and dune deposits are well stratified and well sorted. The recent deposits also contain fill made up of earth, rocks, concrete fragments, ash, rubbish and hydraulic fill (Misut and Monti, 1999). The sandy beds of the Holocene deposits have moderate to high permeability beneath barrier beaches (Misut and Monti, 1999).

No State-listed or public water supply wells were identified in the EDR within a one-mile radius of the Site. However, the EDR identified 32 USGS wells located within 0.125 - 1 mile of the Site. Monitoring of these appears to have stopped in the 1980s, and while one was reported as being destroyed, the current condition of the wells was not reported.

2.4 Summary of 2011 Site Characterization Findings

A SC was performed to characterize the nature and extent of contamination at the Site in 2010 and 2011. The scope of work across the 329 Clarkson Avenue property included:

- The advancement of six soil borings and the conversion of five soil borings to monitoring wells (SB-6/MW-6, SB-7/MW-7, SB-8/MW-8, SB-16, SB-22/MW-9, and SB-23/MW-10);
- Collection of 17 soil samples for laboratory analyses; and,
- Collection of two rounds of groundwater samples from the five installed monitoring wells for laboratory analyses.

The results of the SC are described in detail in the Site Characterization Report dated December 2011 (AECOM, 2011).

2.4.1 Site Geology

The 329 Clarkson Avenue property geology consists of four unconsolidated units varying widely in thickness and distribution across the Site. These units consist of fill, sand, silty sand, and gravel. The sand unit consists of two subunits, including a well-graded sand and a poorly graded sand.

2.4.1.1 Fill

The fill thickness ranges from 3.5 to 17 feet. The primary component of the fill is coarse to fine sand with some angular to sub-angular gravel, and lesser amounts of clay, silt, and cobbles. While the unit closely

resembles the underlying sand unit, the fill unit was typically defined by the presence of anthropogenic materials, such as whole and crushed brick, pieces of concrete, wood fibers, and other non-native materials, and cobbles.

2.4.1.2 Sand

The most extensive unit beneath the fill is sand, which consists of subunits of well-graded and poorly graded sands. The well-graded sand is composed of fine to coarse sand with lesser amounts of silt, sand, and gravel. Well-graded sands were typically encountered directly below the fill unit, and generally range in thickness from 9 feet to over 40 feet with the unit thinnest to the north and west and thickest to the south. The poorly graded sand is composed of predominately fine sand, although medium sand and trace gravel are observed occasionally. The unit is encountered directly below the well-graded sand, although pockets of the unit and some interfingering of the unit in the well-graded sand occurs beneath 760 Parkside Avenue (Southern Parcel).

2.4.1.3 Silty Sand

The silty sand unit occurs as 2 to 10-foot thick discontinuous lenses or pockets that cannot be clearly connected across the Site. A 5-foot thick unit encountered at approximately 12 ft bgs is present along the eastern boundary of the 329 Clarkson Avenue property. The unit is composed of fine sand with greater than 30 percent silt and is non-plastic or cohesive.

2.4.1.4 Gravel

The gravel unit consists of subangular to sub-rounded fine to coarse gravel with some sand, and few cobbles. The unit is discontinuous and is encountered in lenses or pockets 5 to 12 feet thick and is not encountered deeper than 23 ft bgs at the 329 Clarkson Avenue property.

2.4.2 Site Hydrogeology

Groundwater was encountered in the Site monitoring wells at depths ranging from approximately 46 to 51 ft bgs in 2011. Groundwater elevation contour maps (**Figure 2-4**) from the 2011 SC were prepared for two rounds of data (March 9, 2011 and July 28, 2011). As shown on these maps, the groundwater flow is from north to south beneath the Southern Parcel and the Site as a whole, including a very slight westward flow component along the southern site boundary. Groundwater elevation contours for November 19, 2020 are included on Figure 4 in the PRR7 report included in **Appendix B**. During the November 2020 event, groundwater flow was northwest to southeast at depths ranging from approximately 46 to 49 ft bgs.

2.4.3 2011 Site Characterization Results

To determine whether the soil and groundwater contain residual impacts at levels of concern, data from the SC were compared to the following standards, criteria, and guidance (SCGs):

- Soil SCGs were based on the NYSDEC Division of Environmental Remediation, 6 NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives (SCOs), as well as NYSDEC's alternative polycyclic aromatic hydrocarbons (PAH) criterion for non-residential sites, total PAH of 500 mg/Kg, specified in DEC Policy CP-51 Soil Cleanup Guidance, October 2010.
- Groundwater SCGs were based on the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGV) and Part 5 of the NYS Sanitary Code.

Generally, the SC determined that that there were no ongoing exposures to residual from the historic site operations on the Site, including the 329 Clarkson Avenue property. The 329 Clarkson Avenue property surface is mostly covered by asphalt and concrete which further reduces the likelihood of direct contact with soil containing residual MGP impacts. Exposure to groundwater impacted with residual MGP waste is not occurring as there are no supply wells located in the contaminated area.

2.5 Site Management Plan

The NYSDEC approved no further investigation activities at the 329 Clarkson Avenue property, and the Flatbush Site as a whole, and required institutional controls via an Environmental Easement (restriction of land to use for commercial applications and use of groundwater), as well as implementation of a Site Management Plan following the completion of the SC.

The SMP was prepared by AECOM in 2012 following the completion of the SC. The plan was revised in January 2016 to reflect changes to the Site following construction related to building expansion activities at 760 Parkside Avenue by the property owner, and the discovery of Tank 1 on the western side of the 760 Parkside property. Tank 1 was discovered while the property owner's subcontractor was excavating a storm drain trench for the building expansion. The SMP was a required element of the Remedial Program administered by the NYSDEC. AECOM produced the SMP on behalf of National Grid in accordance with the requirements in NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (DER-10), dated June 2010 (NYSDEC, 2010), and the guidelines provided by NYSDEC. The SMP addresses the means for implementing the ICs and engineering controls (ECs) that are required by the Environmental Easement (finalization pending) for the Site.

ECs have been incorporated into the Site remedy to control exposure to remaining MGP Residuals during the use of the Site and to ensure protection of public health and the environment. Environmental Easements (EEs) for each property require compliance with this SMP and all ECs and ICs placed on the Site. Pending EEs for 329 Clarkson Avenue and 324 Winthrop Street were submitted to NYSDEC on June 16, 2020 for review, and an EE for 760 Parkside Avenue was finalized on November 20, 2019 and recorded with the Kings County Clerk. The ICs place restrictions on Site use, and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs. The SMP includes two plans: (1) an Engineering and Institutional Control Plan for implementation and management of EC/ICs; and (2) a Monitoring Plan for implementation of Site Monitoring. These plans specify the methods necessary to ensure compliance with all ECs and ICs required by the Environmental Easement for contamination that is present at the Site. The 2016 SMP (AECOM, 2016) was approved by the NYSDEC on September 7, 2016, and it may only be revised with the approval of the NYSDEC.

The engineering controls specific to the 329 Clarkson Avenue include a composite cover system (CCS) and monitored natural attenuation (MNA). The CCS is an EC that provides a physical barrier that limits potential human and environmental exposures to contaminated subsurface soils and groundwater; and is comprised of a minimum of 6 inches of asphalt pavement, concrete-covered sidewalks, and concrete building slabs. Under the SMP and the Environmental Easement, the CCS is a permanent control that must remain intact above residual MGP contamination. An Excavation Work Plan (EWP) that appears in Appendix D of the SMP outlines the procedures required to be implemented in the event the CCS is breached, penetrated or temporarily removed, and any underlying residual MGP contamination is disturbed (AECOM, 2016).

Groundwater monitoring activities to assess MNA across both the Northern and Southern Parcels are performed annually. These activities include gauging all Site wells for depth to water and total well depth, and collection of groundwater samples from all Site wells for laboratory analyses including BTEX via EPA Method 8260B and PAHs via EPA Method 8270 by a NYSDOH environmental laboratory approval program (ELAP)-certified laboratory. The most recent Period Review Report (2020) is included in Appendix B.

A series of ICs are required by the SMP to: (1) implement, maintain and monitor the CCS and MNA; and, (2) limit the use and development of the 329 Clarkson Avenue property to Restricted Commercial Use only. The Southern Parcel has a series of ICs in the form of property restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that currently apply to the Property are:

- The 329 Clarkson Avenue property may only be used for Restricted Commercial Use provided that the long-term ECs/ICs included in the SMP are employed.

- The 329 Clarkson Avenue property may not be used for a higher level of use, such as Restricted Residential Use without additional remediation (if required) and amendment of the Environmental Easement, as approved by the NYSDEC.
- The use of the groundwater underlying the 329 Clarkson Avenue property is prohibited without the approval of the NYSDEC.
- The potential for vapor intrusion must be evaluated prior to any modification to the existing conditions and for any buildings developed on the 329 Clarkson Avenue property, and any potential impacts that are identified must be monitored or mitigated.
- Vegetable gardens and farming on the Southern Parcel are prohibited.

3. Remedial System Optimization Investigation Activities

This section provides a description of the activities performed during the RSOI, and the methods used for conducting the fieldwork at the Site. Unless otherwise noted in the following sections, the procedures used were consistent with the methods and procedures described in the NYSDEC-approved RSOI Work Plan (AECOM, 2021). Each field activity performed during the investigation, grouped by field task or environmental media, is described in the following sections. The RSOI sample locations, and the locations of the samples collected during the previous investigation are shown on **Figure 3-1**.

The 329 Clarkson Avenue Parcel is an active parking lot. To manage the flow of traffic, maintain open workspaces for the investigation activities, create a secure working environment, and provide for the health and safety of the field staff and the general public, drilling locations were marked off with traffic cones, bars, and caution tape, and temporary chain-link fence was installed around the test pit work areas for the duration of test pit excavation, backfilling, and paving activities. Temporary chain-link fence was also installed around the equipment decontamination pad, IDW staging location, and equipment laydown area. Field work was performed from Saturday through Thursday from August 14, 2021 through September 18, 2021. Additional site visits were made on September 26, 2021 to complete the survey of the new investigation locations, on October 9-10, 2021 for soil vapor sampling, and November 3, 2021 for the pick-up and removal of thirty-one 55-gallon New York State Department of Transportation (NYSDOT) approved drums of investigation derived waste (IDW).

3.1 Community Air Monitoring Program

The community air monitoring plan (CAMP) is included in the RSOI Work Plan included in **Appendix A** and was performed to provide real-time measurements of total VOCs and particulate (airborne dust) concentrations in air at the downwind perimeter of each designated work area when intrusive investigation activities were in progress at the Site. Additionally, Site personnel monitored the perimeter stations to determine if any odors were being produced as a result of the intrusive sampling activities. The monitoring was designed to provide protection for the downwind community, such as those present at the adjacent public areas and commercial properties, from potential releases of airborne constituents resulting from the investigation activities.

Total VOCs and particulates were monitored with a photoionization detector (PID) and particulate meter, respectively, located upwind and downwind of each work zone. The VOC and particulate levels at each location were recorded on field forms every 15 minutes. The PIDs and particulate meters were also set to log information continuously throughout the workday. This information was downloaded so that the NYSDEC and NYSDOH could review the information if needed. The specific action levels for VOCs and particulates are provided in the CAMP. Action levels were not reached as a result of the intrusive investigation activities at any time during the RSOI, so no response actions were necessary. The CAMP data collected during both field events is included in **Appendix C**.

3.2 Underground Utility Clearance

Subsurface utilities were located prior to starting the intrusive subsurface investigation work. The utility locating was initiated by contacting Dig Safely New York. Each company or municipality that had subsurface utilities present in the investigation area marked out their utility lines prior to the initiation of the subsurface work. Following the utility mark out by the owner companies or their subcontractors, the property was scanned using ground penetrating radar and electromagnetic survey methods by Clean Global Environmental (CGE) of Brentwood, New York to confirm the location of marked utilities and/or to identify other unmarked utilities and anomalies on August 14 and 15, 2021. Anomalies could be indications of unknown utilities, concrete structures, or other buried debris. While the focus of the scans were the investigation locations, the comprehensive scan was important for drawing connections between linear features and anomalies detected by CGE. Clean Global Environmental returned to the site on

August 28, 2021 to complete the geophysical survey in areas that were inaccessible on August 14 and 15, 2021. Results of the CGE scans are included in **Appendix D**.

Prior to advancing each boring by mechanical drilling methods, the upper five feet was excavated using soft digging techniques, which included air knife and soil vacuum extraction, as well as post hole diggers and hand augers. The soft digging was a used to visually confirm the absence of utilities while using methods that would not cause damage to a utility that had not been identified by the nonintrusive methods summarized above. If a utility was identified, the location was offset, and the soft digging was performed again. The excavated material was characterized, screened, and sampled as described in **Section 3.4**. All holes were backfilled with the excavated material until drilling could be performed.

3.3 Test Pits

Two test pits (TP-201 and TP-202) were advanced at the 329 Clarkson Avenue Parcel during the RSOI. The test pits were focused in and around the former brick oil tank and former oil house. The purpose of the test pits is to determine if the structures remain in place below the ground surface, condition of the structures that are present (intact or highly weathered brick and/or concrete, broken sides, etc.), depth to the bottom of the structures, and the presence or absence of residual impacts. The location each test pit is summarized on **Figure 3-1**.

Test pits were excavated with a mini excavator operated by Aquifer Drilling & Testing Inc (ADT). of Mineola, New York. The planned starting length of each test pit was 15-20 feet long, and the total depth were determined in the field based on the presence of former MGP structures, other structures, or a maximum depth of 15 ft bgs. Test pits were not excavated through any existing structures. Excavated material was temporarily placed on clean, plastic sheeting for staging and for characterization by an AECOM field geologist. The test pits were logged by the AECOM geologist for the presence of fill material or subsurface structures, the nature of each geologic unit encountered, observations regarding moisture content, results of PID headspace readings, and visual and olfactory observations regarding the presence of hydrocarbon-like residuals.

One soil sample was collected from test pit TP-201 from the bottom of the test pit at 6-7 ft bgs. Two soil samples were collected from test pit TP-202. The first sample was collected from the west side of the excavation at 1-3 ft bgs, and the second sample was collected from the bottom of the excavation on the east side at 5-6 ft bgs. Samples were submitted to Eurofins Test America of Edison, New Jersey for the analyses listed on **Section 3.4.1**.

Following the completion of each test pit, and after the excavated soil was screened for impacts based on the RSOI Work Plan criteria, the excavated material was returned to the excavation in the reverse order it was removed. Between each test pit excavation, the backhoe bucket was decontaminated by steam cleaning. Following backfilling, all test pits were completed with hot asphalt patch, and the parking lines repainted to match the pre-excavation conditions and restore the integrity of the CCS required by the SMP.

Decontamination water and plastic generated from the excavation activities were placed in labeled 55-gallon drums and placed in the fenced IDW drum staging area until appropriate disposal to a NYSDEC approved disposal facility by a National Grid waste management contractor was arranged.

3.4 Subsurface Soil Sampling from Soil Borings

A total of 19 soil borings were advanced during the RSOI. Of the 19 borings, 16 were proposed in the RSOI work plan, and 3 were additional borings at step out locations. The locations of each soil boring are summarized on **Figure 3-1**. Subsurface soil borings were advanced in order to:

- obtain information regarding the thickness and composition of fill materials and native soils beneath the 329 Clarkson Avenue Parcel;

- observe and screen subsurface soil to identify conditions that may be indicative of residual MGP impacts; and
- collect soil samples from each boring per the sample collection rationale discussed below and submit the samples for laboratory analysis to document subsurface soil conditions.

Soil borings were advanced with a Rotosonic (Sonic) drill rig operated by ADT. Initially, 16 borings were advanced within a 60-feet by 60-feet cell, gridded across the 329 Clarkson Avenue Parcel to ensure spatial distribution of data collection. Eleven of these borings were advanced to a minimum depth of 25 ft bgs, two borings were advanced to a minimum depth 30 ft bgs, and three borings were advanced to a minimum depth of 85 ft bgs. While many of the borings were placed in the center of a grid, some were adjusted such that they are adjacent to the footprints of the proposed elevator pit locations, former MGP structures, and/or near SC investigation locations where visual and olfactory observations of residual impacts were noted at the 760 Parkside Avenue Property, and one or more constituents of concern (COCs) in soil samples were detected above the NYSDEC Restricted Residential Use Criteria. The three step-out borings were advanced at a distance of approximately 25 feet from boring SB-212 where a PID headspace reading was above 692 ppm and a woody/creosote like odor was observed. Step-out borings were advanced to depths ranging from 20 to 25 feet.

During drilling, 5 to 10-foot long soil cores were collected continuously. Each soil core was logged by the onsite geologist for the presence of fill material or subsurface structures, soil composition of each geologic unit encountered, observations regarding moisture content, the results of PID soil headspace readings, and visual and olfactory observations regarding the presence of hydrocarbon-like or other residuals. Soil boring logs are included in **Appendix E**.

A total of three soil samples were collected for laboratory analysis from the upper 25 feet of each soil boring (upper 30 feet at borings to be located in proposed elevator pits). One sample was collected from the top 5 feet bgs, one sample was collected from 5 to 15 feet bgs, and one sample was collected from 15 to 25 (15 to 30 feet bgs at borings to be located in proposed elevator pit locations). Each sample was collected from the two-foot interval with the greatest PID readings and visual/olfactory observations. If no impacts were observed, the sample in the top 5 feet bgs and the sample from 5 to 15 feet bgs was collected from the center of the five and ten-foot intervals, respectively, and the sample from the 15 to 25 ft bgs interval was collected from 23 to 25 ft bgs (or 28 to 30 feet bgs at the locations of the proposed elevator pits). The sample from the upper five feet was collected during the soft digging for utility clearance described in **Section 3.2**, while the deeper samples were collected from the Sonic cores.

At the borings with a target depth of 85 ft bgs (SB-201 & SB-202), one additional sample was collected from below 25 feet bgs from the two feet interval directly above the water table (the water table elevation was determined based on soil observations and gauging of nearby monitoring wells). On SB-204 a second sample was collected from below the water table from the 78-80 feet bgs interval based on a PID reading of 65.7 ppm. The boring was advanced to 90 ft bgs where a clean interval was observed.

Each soil sample was submitted for VOC, SVOC, metals, polychlorinated biphenyls (PCBs) as Aroclors, free cyanide, and pesticides by the laboratory analyses discussed in **Section 3.4.1**. A subset of soil samples was also submitted for PFAS (6 samples) analysis. Although PFAS have historically not been evaluated at MGP sites because it is well documented that PFAS were not manufactured before the 1940's and they are not associated with former MGP operations. The addition of PFAS analyses was included to comply with the January 2021 guidance document (NYSDEC, 2021). The PFAS samples were selected from one or more of three depth zones (0 to 5 ft bgs, 15 to 25 ft bgs, and approximately 45 to 47 ft bgs (two feet just above the water table) at borings throughout the parcel to create a representative dataset.

All drill tooling was decontaminated by pressure washing in a constructed decontamination pad. All drill cuttings, decontamination water, and plastic and person protective equipment were stored in 55-gallon labeled steel drums, by media, and staged on a drum storage pad. Nine of the soil borings were backfilled with grout to create a continuous seal and the surface was patched with asphalt or concrete to match the

predrilling conditions. Ten borings were finished as soils vapor gas sample points and were finished with a concrete road box to allow for subsequent sampling.

3.1 Soil Vapor Sampling

Ten of the 19 soil borings were converted to soil vapor points. The locations of the soil vapor points are shown on **Figure 3-1**. The soil vapor points were installed in accordance with the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, 2006). After advancing the 10 selected soil boring by sonic drilling methods to the soil boring target termination depth, each boring was be backfilled with grout and bentonite to the base of the soil vapor point screen interval of 18-20 ft bgs, which was targeted to be immediately below the depth of the proposed building basement foundation. The vapor points were constructed of 6-inch long, double woven stainless-steel wire, with 0.0057-inch pore diameters. Soil vapor construction details are included on the soil boring logs in **Appendix E**.

Soil vapor samples were collected on October 9 and 10, 2021. Each sample point was first purged of a minimum of one implant volume (the volume of the sample probe and tubing) using a vacuum pump. After purging, an initial VOC measurement was collected with a PID and recorded on soil gas data sheets. The soil vapor point tubing was then connected to a three-way stopcock, a flow regulator, and a 6-liter, laboratory certified clean, Summa® canister. A Shut-In test was performed to confirm no leaks were present at the tubing connections. A syringe was connected to the stop cock and the plunger was pulled back to create approximately 10-inch of mercury (Hg) vacuum in the sampling assembly. The pressure gauge attached to the flow regulator was then monitored to detect any leaks. If less than 0.5-inches of Hg drop in pressure was observed, the sampling moved to the testing for leaks between the ground surface and the screened interval that would allow outdoor air to infiltrate into the soil vapor sample. This was accomplished by placing a shroud over the soil vapor point and sealing it in place with clay. The air inside the shroud was then flooded with helium. The soil vapor point was then purged and monitored with a multi-gas meter for the presence of helium. If helium was not detected, the tubing was reattached to the flow regulator and Summa® cannister. The flow valve was opened and the initial vacuum pressure in the cannister (approximately -30-inch of Hg) was recorded. The flow regulator was set to a maximum flow rate of 200 milliliters per minute (mL/min). The valve was closed when the vacuum pressure was around 5-inch of Hg. The field team noted barometric pressure, purge volume, volume of soil vapor extracted, the vacuum of reading of each Summa® cannister before and after samples were collected, and apparent moisture content. Soil vapor sampling records are included in **Appendix F**.

Each sample was clearly labeled and submitted under proper chain-of custody for VOCs and helium by the laboratory analyses discussed in **Section 3.4**.

3.2 Site Survey

A survey of the field sampling points was performed by GEOD Corporation, a licensed NY-State surveyor, on September 26, 2021. All horizontal locations were reported in the New York State Plane Coordinate System, Long Island Zone referenced to the North American Datum of 1983 (NAD 83) in feet. All vertical measurements were reported in the North American Vertical Datum of 1988 (NAVD 88) in feet, to the nearest 0.1 ft. for soil borings and test pits.

3.3 Investigation-Derived Waste Management

All IDW generated during the RSOI was collected in properly labeled United States Department of Transportation approved storage containers (e.g., 55-gallon drums or lined roll-off) and grouped by environmental matrix (soil, water, PPE/plastic). As drums were filled, they were tracked and given unique identification codes based on the following:

- A prefix indicating the Site where the drum was generated and the drum's contents: i.e., FH – Flatbush Holder plus S – Soil, W – Water, or P – PPE and Plastic.

- Following the prefix and a hyphen will be the drum's chronological number of generations. For example, drum FHS-1 is the first drum of the project generated and is filled with soil. Drum FHW-8 is the eighth drum generated and contains water.
- As drums are generated, their identification code, date of generation, contents, source (i.e., drill cuttings from location x, purge water from well y), and date sampled will be entered on a tracking table.

The drums were stored in the secure laydown area located in the northwest corner of the parking lot. A composite sample for soil and a composite sample for water were collected on September 16, 2021 and September 18, 2021, respectively, and submitted under proper chain-of-custody procedures to Eurofins Test America for the waste characterization analyses listed in Section 3.4.3 and as required by the selected disposal facility. On November 3, 2021, Veolia North America of Flanders, New Jersey picked up 31 55-gallon drums (30 soil and 1 water) and transported them offsite to a NYSDEC approved waste disposal facility. Two drums of PPE were left on site for use during the subsequent geotechnical study performed by a third party. SMP-required CAMP and environmental oversight were performed by AECOM. The PPE drums and liquid and solid IDW generated during the geotechnical study will be properly disposed of at a NYSDEC-approved disposal facility following the completion of that work.

3.4 Analytical Program Summary

The laboratory samples for each media and the chemical analyses performed are summarized below. Requisite quality assurance/quality control (QA/QC) samples are presented in the Quality Assurance Project Plan (QAPP) (*Appendix D* of the Work Plan).

3.4.1 Subsurface Soil Analyses

All laboratory analyses included sampling for compounds listed on the Part 375 Soil Cleanup Objectives Table 375-6.8(b). Soil samples were analyzed for the following parameters:

- Target Compound List (TCL) VOCs USEPA Method 8260B
- TCL SVOCs USEPA Method 8270C
- PCBs as Aroclors USEPA Method 8082
- Target Analyte List (TAL) metals USEPA Method 6000-7000 Series
- Free cyanide (extraction by USEPA Method 9014A and analysis by Microdiffusion, American Society for Testing Materials (ASTM) International Method D4282-02)
- Pesticides by EPA Method 8081
- PFAS by USEPA Method 537.1 (on a subset of samples)

3.4.2 Soil Vapor Analyses

Soil vapor samples will be analyzed for:

- TLC VOCs by USEPA Method TO-15
- Helium by ASTM Method D1946 for Fixed Gases

3.4.3 Waste Characterization/Profiling

Two waste characterization samples (one solid and one aqueous) were collected during the investigation and analyzed for Resource Conservation and Recovery Act (RCRA) Hazardous Characteristics testing to determine if materials exhibiting hazardous characteristics may be present at the Site and to support waste disposal profiling purposes. The analyses performed included the following, depending on the medium (soil versus groundwater) and the selected disposal facility:

- Total Metals by USEPA Method 6010B (Mercury 7470A)
- Total Petroleum Hydrocarbons (diesel range organics and gasoline range organics) by USEPA Method 8015 modified
- PCBs by USEPA 8020
- Toxicity Characteristic Leaching Procedure (TCLP) ZHE Extraction – USEPA Method 1311
- TCLP VOC – USEPA Method 8260B
- TCLP SVOC – USEPA Method 8270C
- TCLP RCRA Metals – USEPA Method 6010B (Mercury 7470A)
- Corrosivity – USEPA Method 9045C
- Ignitability/Flashpoint – USEPA SW-846 Method 1010A
- Reactive Cyanide and Reactive Sulfide by USEPA SW-846 Chapter 7, Sections 7.3.3.2/7.3.4.2
- Total Organic Halogens – USEPA SW-846 Method 9023/9020B

3.4.4 Quality Assurance/Quality Control Sampling

Field and laboratory quality control soil samples for the investigation were collected and analyzed to document the accuracy and precision of the samples. The QA/QC samples, summarized in the QAPP (*Appendix D* of the work plan), included trip blanks, field equipment blanks, field duplicates and matrix spikes, and matrix spike duplicates. The data quality level for the investigation was consistent with procedures outlined in the NYSDEC Analytical Services Protocol (ASP) July 2005 methodologies. A full ASP Category B data package was prepared by the laboratory for all samples. The data was reviewed, and a Data Usability Summary Report (DUSR) was prepared by a qualified chemist.

4. Remedial System Optimization Investigation Findings

This section presents a summary of subsurface field observations and the results of the laboratories analyses performed for the RSOI soil and soil vapor samples. A discussion of the results of the analyses, and a comparison to applicable NYSDEC Standards are grouped according to environmental media in the sections following the description of observed subsurface conditions. The discussion includes results from both the 2011 SC (see Section 2.4 for a summary of the SC scope at 329 Clarkson Ave.) and the 2021 RSOI. NYSDEC ASP Category B data packages were prepared by the laboratory for all soil samples collected during the RSOI and are included in **Appendix G**.

4.1 Site Geology and Hydrogeology

The geology observed during the RSOI was consistent with the finding of the 2011 SC. The geology consists of four unconsolidated units varying widely in thickness and distribution across the 329 Clarkson Avenue Property. These units consist of fill, sand, silty sand, and gravel. The sand unit, which is the most extensive unit beneath the parcel, consists of two subunits, well graded sand and poorly graded sand. No confining units or the bedrock surface were encountered during the investigation. Groundwater was encountered in the three RSOI borings advanced to 85 to 90 ft bgs (PDI-201, PDI-202, and PDI-203) at depths ranging from approximately 49.5 to 50 ft bgs. As shown on Table 1 in the 2020 Fourth Annual Groundwater Report (GEI, 2021) included in **Appendix B**, these elevations are consistent with those measured on November 19, 2020 in the five existing monitoring wells on the Southern Parcel (MW-6, MW-7, MW-8, MW-9, and MW-10). Soil observations are included on the test pit and soil boring logs in **Appendix E**.

4.2 Observed Former Manufactured Gas Plant and I.E.P Structures

The presence or absence of former subsurface structures was investigated through geophysical survey techniques (**Section 3.2**) and through the advancement of soil borings and test pits. While no former MGP/I.E.P. structures (nor non-MGP structures, such as the gas tanks in the southwest corner of the property) were positively identified by the geophysical survey (**Appendix D**),the foundations of three former Flatbush MGP and/or I.E.P structures (Brick Oil Tank, Brick Oil House, and the Boiler House) were observed during the advancement of soil borings and test pits during the 2011 SC and the 2021 RSOI. The depths to the structures are detailed on **Figure 4-1**, and on the boring logs and test pits logs in **Appendix E**.

4.2.1 Former Brick Oil Tank

The concrete pad of the former Brick Oil Tank was encountered from 1.5 to 1.8 ft bgs at SB-16 (advanced in 2011) and from 2.5 to 3.5 ft bgs at TP-201 (excavated in 2021). The edge of the concrete pad was encountered approximately 12 feet from the northwest end of test pit TP-201. Fill material above the concrete consisted of dry sand and gravel with some cobbles, whole and fragmented pieces of brick, cobble stones, and a metal fence post in concrete. The material below the concrete pad consisted of dry sand with some gravel. No visual or olfactory related MGP or petroleum impacts were observed above or below the concrete pad, and PID head space screening concentrations ranged from 0.2 to 3.0 ppm. See **Figure 4-1** and boring and test pit logs in **Appendix E**.

4.2.1 Former Oil House

The concrete pad of the former oil house was encountered in test pit TP-202 (excavated in 2021). The pad was encountered at depths ranging from 1 to 3.5 ft bgs, and had a maximum thickness of 4 feet where the edge was exposed. Fill material above the concrete pad consisted of dry sand with a little gravel. No visual or olfactory related MGP or petroleum impacts were observed above or below the

concrete pad, and PID head space screening concentrations ranged from 0 to 1 ppm. See **Figure 4-1** and boring and test pit logs in **Appendix E**.

4.2.2 Former Boiler House and I.E.P

Five soil borings were advanced within the footprint of the former Boiler House. Concrete slabs were observed at SB-217 and SB-218 from 5.5 to 6 ft bgs and from 9.5 to 10 ft bgs, respectively. At SB-219, large pieces of broken concrete were observed from 8 to 15 ft bgs. Concrete was not observed at SB-212 or SB-213. However, woody debris with a rotting wood and trace creosote-like odor and PID headspace reading of 692 ppm was observed at SB-212. The origin of this wood is unknown, but it could possibly be a former support piling or fill. Fill material consisted of sand with some gravel, as well as some pieces of brick observed at SB-213 and at SB-218. A trace amount of slag was also observed at SB-218. See **Figure 4-1** and boring and test pit logs in **Appendix E**.

4.3 Summary of Visible and Olfactory Manufactured Gas Plant and Petroleum Related Impacts

Visible and olfactory impacts, concrete pads, and PID head space readings above 100 ppm observed in the subsurface during the 2011 SC and the 2021 RSOI are summarized on **Table 4-1,** and recorded in detail on the soil boring and test pit logs in **Appendix E.** The horizontal distribution of visible and olfactory impacts in the subsurface at the property have been divided into three vertical layers consisting of:

- Shallow vadose zone soils from 0 to 25 ft bgs (**Figure 4-1**), which include soils below the near surface soils to be excavated during proposed property development,
- Deep vadose zone soils from 25 to 50 ft bgs (**Figure 4-2**), and
- Deep saturated soils from 50 to greater than 85 ft bgs (**Figure 4-3**).

Visual and olfactory impacts beneath the property were very limited and were observed in 4 of the 6 borings advanced in 2011 (SB-6, SB-8, SB-22, and SB-24) and in only one of the 19 soil borings advanced in 2021 (SB-212) and most impacts were present beneath the water table. Observed impacts consisted of odors (subjectively qualified as petroleum-like, gasoline-like, rotten wood, trace creosote-like, or naphthalene-like by the field geologist) and petroleum staining.

Only one olfactory impact was observed in the shallow soils (**Figure 4-1**). The impact consisted of wood debris with a rotten wood/trace creosote-like odor from 9.5 to 12.5 feet bgs, with a corresponding PID headspace reading of 692 ppm at soil boring SB-212. PID readings at the three step-out borings from SB-212 (SB-217, SB-218, and SB-219) were all below 100 ppm. As discussed in **Section 4.4.2**, no VOCs were detected above the NYSDEC restricted residential use criteria from the aforementioned boring locations, including the sample collected from the zone with the elevated PID reading and wood debris.

Observations of impacts in the deep vadose zone soils (**Figure 4-2**) were limited to one observation of petroleum-like odors from 44 to 50 ft bgs at SB-6 located in the northeast corner of the site and adjacent to the BP service station. SB-6 was advanced during the 2011 investigation. The petroleum like odors continue beneath the groundwater table to a depth of 69 ft bgs (**Figure 4-3**), and include petroleum staining and a strong gasoline-like odor with a PID head space of 1350 ppm from 50-52 ft bgs, which correlates to the groundwater table surface. A faint naphthalene-like odor was also observed at SB-6 from 71.5 to 74 ft bgs. The remainder of the observations included faint to strong naphthalene-like odors beneath the water table at SB-8, SB-22, and SB-10 during the 2011 investigation, located along the eastern and southern sides of the property (**Figure 4-3**).

4.4 Soil Analytical Results

This section discusses the analytical results from soil samples collected at 329 Clarkson Avenue during the 2011 SC and the 2021 RSOI. The site is fully covered by concrete and asphalt pavement, so no surface soil samples were collected. Soil analytical results for VOCs and SVOCs detected in subsurface

soils are summarized on **Table 4-2** and **4-3**, respectively. Analytical results for metals, cyanide, PCBs, pesticides, and herbicides in subsurface soil are summarized on **Table 4-4**, and PFAS results are summarized on **Table 4-5**. The subsurface soil analytical results are compared to the RRUSCOs specified in the NYSDEC Division of Environmental Remediation, 6 NYCRR Part 375 and the NYSDEC 2021 PFAS Guidance Document. **Figure 4-4** presents a summary of Total VOC and Total SVOC concentrations and identifies samples where one or more constituent was detected above the RRUSCOs. **Figure 4-5** presents a summary of five metals that were detected in one or more soil samples at concentrations above the RRUSCOs (arsenic, cadmium, copper, lead, and mercury), and total or free cyanide (samples collected in 2011 were analyzed for total cyanide; samples collected in 2021 were analyzed for free cyanide). Sample intervals are identified for each sample, and are color coded on **Figure 4-5** as follows:

- Orange – near surface soils collected between 0 and 5 ft bgs,
- Green – shallow soils collected between 5 and 25 ft bgs,
- Black – deep vadose zone soils collected between 25 and 50 ft bgs, and,
- Blue – deep saturated soils from 50 to greater than 85 ft bgs.

PCBs, pesticides, and herbicides are not summarized on the figures as PCBs and herbicides were not detected at the property, and pesticides were only detected in four samples from three locations (SB-204 from 3 to 5 ft bgs, SB-208 from 1 to 3 ft bgs, SB-212 from 1 to 3 ft bgs, and SB-212 from 12 to 14 ft bgs).

4.4.1 Data Usability Summary Report Results

The 2021 soil analytical results for VOCs, SVOCs, metals, cyanide, PCBs, and pesticides were evaluated for conformance to method specifications and qualifiers were applied using the USEPA Region II Standard Operating Procedures (SOPs) and the validation criteria set forth in the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review*, EPA-540-R-20-005, November 2020 and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA-542-R-20-006, November 2020, as they apply to the analytical methods employed. Field duplicate relative percent difference (RPD) review and applicable control limits were taken from the *USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, December 1996 and *USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses*, June 1988.

The PFAS analytical results were evaluated for conformance to method specifications and qualifiers were applied using the validation criteria set forth in the *USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed Using EPA Method 537*, EPA-910-R-18-001, November 2018 and *NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*, Appendix I, January 2021, as they apply to the analytical method employed. Field duplicate RPD review and applicable control limits were taken from the *USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, December 1996.

The 2011 soil and groundwater results were evaluated for conformance to method specifications, and qualifiers were applied using USEPA Region 2 SOPs, and the validation criteria set forth in the *USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review*, USEPA-540-R-07-003, July 2008, with additional reference to *USEPA CLP National Functional Guidelines for Organic Data Review*, document number EPA 540/R-99-008, May 1999, and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, EPA-540-R-04-004, October 2004, as they apply to the analytical methods employed.

Data quality was evaluated by reviewing the following parameters: holding times, GC/MS tuning and performance standards, internal standards, initial and continuing calibrations, surrogate recoveries, laboratory control standards, laboratory blanks, laboratory and field duplicates, compound identification, and compound quantitation. Results of this evaluation are presented in DUSRs. DUSRs for the 2021

analytical results for soil and groundwater are included in **Appendix G**, and the 2011 DUSRs are included in *Appendix H* of the 2011 SC report.

4.4.2 Volatile Organic Compounds

A total of 16 of the 54 VOCs analyzed were detected in 59 of the 85 subsurface soil samples collected from soil borings and test pits in 2011 and 2021 (**Table 4-2** and **Figure 4-4**). Of those 59 soil samples, 20 were collected from the upper 5 ft of the subsurface, 24 were collected from 5 to 25 ft bgs, and 15 were collected from below 25 ft bgs. None of the 54 VOCs analyzed were detected above the RRUSCOs. Total VOC concentrations ranged from 0.00036 mg/kg at SB-204 (2021; from 23 to 25 ft bgs) to 4.742 mg/kg at SB-6 (2011; from 50 to 52 ft bgs). The concentration at SB-6 located adjacent to the BP gasoline service station and collected at the water table surface was composed predominately of xylenes (3.26 mg/kg) and ethylbenzene (1.2 mg/kg).

4.4.3 Semivolatile Organic Compounds

A total of 28 of the 67 SVOCs analyzed were detected in 63 of the 85 subsurface soil samples collected in 2011 and 2021 (**Table 4-3).** Of those 63 soil samples, 13 samples had concentrations of one or more individual SVOCs in exceedance of the RRUSCOs. These include the following 12 PAHs (a subset of SVOCs): acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. No other SVOCs were detected above the RRUSCOs. Of the 13 samples with SVOCs above the RRUSCOs, 9 were collected from the upper five feet of the subsurface soils, and four were collected from between 5 and 20 ft bgs. The concentrations of total SVOCs in each of the 13 samples ranged from 1.095 mg/kg at SB-216 (from 18 to 20 ft bgs) to 2,585.54 mg/kg at SB-207 (from 2-4 ft bgs). None of the soil samples collected between 20 and 90 ft bgs contained concentrations of SVOCs above the RRUSCOs.

While PAHs are commonly detected at MGPs, they are generated by other processes as well, and are commonly detected in urban environments. As shown on **Figure 4-4**, SB-207 (2021) is located along the eastern property boundary adjacent to the BP Service station. The remaining samples with SVOC above the RRUSCOs are located across the center of the 329 Clarkson Avenue property. Seven of the samples are coincident with former MGP/I.E.P structures, such as TP-202 at the Oil House, and SB-212, SB-213, SB-218, and SB-217 at the Boiler House, while the other five are not. SVOCs above the RRUSCOs were not detected in soil samples collected from SB-16 (2011) and TP-201 (2021) located within the footprint of the former Brick Oil Tank.

4.4.4 Metals and Cyanide

As shown on **Table 4-4** and **Figure 4-5**, each of the 23 metals analyzed were detected in one or more subsurface soil samples collected in 2011 and 2021, and every soil sample had at least one metal detected. Six metals were detected at levels exceeding the RRUSCOs in 15 of the 85 soil samples collected. The metals that exceeded RRUSCOs, listed from the most to least number of exceedances (provided in parentheses), include mercury (13), lead (12), arsenic (6), barium (1), cadmium (1), and copper (1). Concentrations above RRUSCOs of mercury ranged from 1.2 to 9.4 mg/Kg [SB-207 (2 to 4 ft bgs), SB-218 (10-12 ft bgs), and SB-119 (13 to 15 ft bgs)], lead ranged from 12 to 1,410 mg/Kg [SB-209 (1 to 3 ft bgs) and SB-214 (2 to 4 ft bgs)], arsenic ranged from 27.6 to 69.9 mg/Kg [SB-218 (10 to 12 ft bgs) and SB-212 (1 to 3 ft bgs)], barium was detected at a concentrations of 408 mg/Kg [SB -204 (3 to 5 ft bgs), cadmium was detected at a concentration of 4.5 mg/Kg [TP-202 (1 to 3 ft bgs)], and copper was detected at a concentration of 358 mg/Kg [TP-202 (1 to 3 ft bgs)]. Thirteen of the soil samples with concentrations of metals above the RRUSCOs were collected from the upper five feet of soil, and two samples were collected from 10 to 15 ft bgs. None of the samples collected below 15 feet contained one or more metal detected at concentrations above the RRUSCOs.

During the 2011 SC, 17 soil samples were analyzed for amenable cyanide and/or total cyanide. During the 2021 RSOI, 68 soil samples were analyzed for free cyanide. In 2011, none of the soil samples

contained a concentration of total cyanide above the RRUSCO. While there are no listed RRUSCOs for amenable cyanide and free cyanide, all the detected concentrations in the soil samples collected in 2011 and 2021 were below the total cyanide RRUSCO. Concentrations of total cyanide were detected in three samples at concentrations ranging from 0.17 mg/Kg to 0.041 mg/Kg at SB-23 (2011; from 92.5 to 95 ft bgs) and SB-23 (from 77.5 to 80 ft bgs) respectfully. Amenable cyanide also ranged from 0.17 mg/Kg to 0.041 mg/Kg. Concentrations of free cyanide were detected in 59 samples at concentrations ranging from 0.46 mg/Kg to 2 mg/Kg at SB-21 (2011; from 15 to 17 ft bgs) and SB-204 (2021; from 3 to 5 ft bgs), respectively.

4.4.5 Polychlorinated Biphenyls, Pesticides, and Herbicides

None of the nine PCB Aroclors analyzed were detected in the 85 subsurface soil samples collected in 2011 and 2021, and none of the 5 herbicides analyzed were detected in the 17 soil samples collected in 2011 (**Table 4-4**).

As shown on **Table 4-4**, of the 20 pesticides analyzed, none were detected in the 17 soil samples collected in 2011, and two were detected in four of the 68 subsurface soil samples collected in 2021. The two pesticides detected included 4,4-DDE and 4,4-DDT. The detected concentrations were below the RRUSCOs. Three of the detected concentrations were from the upper five feet of soil, and one sample was collected from 12 to 14 ft bgs at SB-212 where the woody debris (fill) was observed.

4.4.6 Per- and Polyfluoroalkyl Substances

PFAS analytical results are summarized on **Table 4-5**. The results for 21 PFAS compounds analyzed were compared to the NYSDEC RRUSCOs and Protection of Groundwater criteria listed in the NYSDEC 2021 Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs (NYSDEC, 2021). Four PFAS compounds, including perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), were detected in 2 of the 7 samples analyzed for PFAS including the sample from SB-202 (2021) from 3 to 5 ft bgs and from SB-207 from 2 to 4 ft bgs. No compounds were detected above the RRUSCO or Protection of Groundwater criteria, and no PFAS compounds were detected below 5 ft bgs.

4.5 Soil Vapor

Soil vapor results are summarized on **Table 4-6** and **Figure 4-6**. Regulatory criteria for evaluating soil vapor is not available, and the soil vapor results are being provided for informational purposes and supporting documentation for the proposed redevelopment of the property. A total of 44 of the 90 VOCs analyzed were detected in the ten soil gas samples collected in 2021. Total VOC concentrations ranged from 82.98 micrograms per meter cubed (µg/m^3) at SV-215 in the southeast corner of the property to 21,896 µg/m^3 at SV-207 in the northeast corner of the property adjacent to the BP Gasoline Service Station.

Table 4-6 summarized the helium analytical results. Helium was analyzed as a tracer gas to determine if the soil vapor point was poorly sealed and allowed atmospheric air to enter the sample (see **Section 3.1**). Helium was not detected in the ten soil vapor samples, indicating a proper surface seal on the soil vapor samples.

5. Qualitative Human Health Exposure Assessment

This section presents a qualitative human health exposure assessment for soil, soil vapor, and groundwater at the 329 Clarkson Avenue property on the Southern Parcel of the Flatbush Station A&B former MGP Site. The evaluation follows guidelines specified in Appendix 3B of the "NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation" (NYSDEC, 2010). The assessment includes the development of a conceptual site model (CSM) to identify potential constituent sources, potential migration pathways of constituents from source areas to environmental media where exposure can occur, potential human receptors, and potential exposure pathways by which constituent uptake into the body may occur. COCs are identified for each potentially complete exposure pathway based on comparison of risk-based screening criteria to the analytical data.

The primary purpose of the CSM is to identify potentially exposed receptors and complete exposure pathways. For an exposure pathway to be complete, the following conditions must exist (NYSDEC, 2010):

- A source and constituent release to the environment;
- A migration pathway (release and transport) of the constituents to an exposed population;
- A point of potential receptor contact with the medium;
- A human exposure route at the contact point (e.g., inhalation, ingestion, dermal contact); and
- A human receptor population.

An exposure pathway is complete when all five elements are present. When any one of the elements is not present, the exposure pathway is incomplete. **Figure 5-1** presents the CSM for potential release and transport mechanisms for COCs at the 329 Clarkson Avenue property. Included on the figure is information regarding the known or potential sources of COCs, the identified release mechanisms, and the affected source media. The potential migration pathways, the exposure media, and the potential exposure routes are identified. Note that the exposure routes are considered potential unless there is an ongoing or documented exposure. The elements of the CSM are further discussed below.

5.1 Potential Constituent Sources and Release Mechanisms

Potential sources of environmental impact to soil and groundwater on the 329 Clarkson Avenue property include the former Gas Holder at 760 Parkside Avenue, the former Brick Oil Tank, the former Oil House, the former Boiler House and I.E.P, which produced electricity, as well as potential off-Site sources, such as the BP Gasoline Service Station, and anthropogenic background.

As discussed in **Section 5.2**, there are no complete exposure pathways for groundwater at the 329 Clarkson Avenue property, so release mechanisms for groundwater are not discussed. In addition, groundwater was investigated in 2011, and is monitored annually under the requirements of the SMP. Furthermore, the proposed redevelopment of the property is not anticipated to intercept the groundwater table.

There are several potential release mechanisms by which the constituents identified in the soil may be transported to other media. Potential release mechanisms for soil include the following:

- Soil to outdoor air:
  - Fugitive Dust - Constituents in surface or subsurface soil could be a potential source for fugitive dust from physical disturbance.
  - Volatilization - Volatile constituents may potentially be transported from subsurface soil by volatilizing into soil-pore space and eventually emanate into outdoor or indoor air.

- Leaching to groundwater:
  - Constituents in surface or subsurface soil could potentially leach to groundwater.

5.2 Potential Human Receptors and Exposure Pathways

This section discusses the potential receptors and the potential that the receptor may be exposed to COCs. An assessment of potential exposure pathways is presented in **Figure 5-1**. The analysis includes an identification of each potential receptor group and potential pathways.

The first step in identifying potential receptors and exposure pathways is the characterization of the site setting and surrounding area. This includes characterization of current and reasonably foreseeable future land uses and corresponding potential receptors (e.g., residential, recreational, commercial/industrial). Potential exposure scenarios identifying appropriate environmental media and exposure pathways for current and reasonably foreseeable future land uses and receptors are then developed.

The 329 Clarkson Avenue property occupies an area of approximately 1.26 acres within the Southern Parcel of the Flatbush Former MGP. The property is currently used as a parking facility (garage converted from former warehouse), and a storage area for the Health Science Center at Brooklyn Foundation, Inc. (Health Science Center), facility vehicles, grounds and maintenance equipment, and materials. Land use in the surrounding area is mixed, including residential, commercial, and light manufacturing. As discussed in **Section 2.1**, the NYSDEC-approved SMP restricts the use of the 329 Clarkson Avenue property to Commercial use. Restricted residential use may not be used without additional remediation and amendment of the Environmental Easement. However, the 329 Clarkson Avenue Property is being planned for a multi-use development, which includes residential space, community facilities, recreational and ornamental garden areas, and underground parking. Therefore, this exposure assessment assumes that future use of the property could include residential space.

Groundwater monitoring has been on-going at the Flatbush A&B Former Gas Holder Site since 2011, as described in the 2020 Fourth Annual Groundwater Monitoring Report (GEI, 2021). The report compares groundwater concentrations to NYSDEC AWQSGV. As documented in the report, groundwater samples collected from side gradient wells (MW-6 and MW-9) and downgradient wells (MW-7, MW-8, MW-10) from the past four years of monitoring (2017-2021) showed exceedances of toluene, ethylbenzene, xylenes in MW-6, MW-7, MW-8, MW-9, and MW-10. Benzene was not detected in any of the wells between 2017 and 2020. PAHs have been largely undetected over the past four years, with a few exceedances of naphthalene (MW-6, MW-7, MW-8, MW-10) and acenaphthene (MW-10).

All residential and commercial properties in the vicinity of the 329 Clarkson Avenue property obtain drinking water from municipal sources, and there are no plans to use groundwater in the future for drinking or other purposes. Therefore, the potential for exposure to the constituents discussed above in groundwater via drinking water or other uses (e.g., bathing, irrigation) is not a complete exposure pathway. Groundwater was encountered in the overburden at depths ranging from approximately 49.5 to 50 ft bgs in 2021. Given the depth to groundwater, potential incidental ingestion of and dermal contact with groundwater during subsurface construction activities is also not a complete exposure pathway.

Soil vapor samples were collected from 10 locations in October 2021. Soil vapor samples were collected from 18 to 20 ft bgs, as the bottom of the planned foundation is expected at between 16 and 18 feet, and approximately 20 ft bgs at the elevator pits. The samples were collected to provide a screening level understanding of vapor concentrations in the subsurface; the data are not intended for use in a full vapor intrusion evaluation. Detected concentrations were compared to USEPA Vapor Intrusion Screening Levels (VISLs) for residential soil gas (USEPA, 2022). The VISLs are based on a cancer risk level of 10^{-6} and a hazard quotient of 0.1. The majority of detected concentrations are below VISLs. Constituents with concentrations above VISLs include 1,2-dibromoethane, 1,2-dichloroethane, benzene, chloroform, tetrachloroethene, and trichloroethene. None of these chemicals are associated with former Site activities.

This exposure assessment is focused on the potential for exposure to constituents in soil. Groundwater exposure, including leaching to groundwater, is therefore not further discussed. Potential receptor groups and potential exposure pathways that may exist for soil are discussed below.

5.2.1 On-Site Receptors

Soils beneath the 329 Clarkson Avenue property are currently inaccessible for daily human contact due to the presence of the CCS, discussed in **Section 2.5,** which is required by the SMP. Soils currently under pavement and concrete could become accessible in the future depending on future redevelopment activities. It should be noted that the tentative excavation plan calls for excavation up to 18 feet bgs in most areas, with up to 25 feet bgs at the proposed elevator pits. Excavated soil will be removed and disposed of at a NYSDEC approved facility-. Therefore, under the current scenario, the only potential exposure to soils is for construction or utility workers performing subsurface excavation. Under a future scenario, the most likely receptor is a construction worker. However, additional receptors could be exposed to soils if redevelopment plans change or if any of the excavated soils are used for grading or the ornamental garden areas. Potential receptors in that case include residents, commercial or maintenance workers, visitors, and trespassers. The exposure assessment is conducted in the absence of additional remediation or institutional controls (e.g., a cover system) in order to inform decision making regarding the need for these actions. Potentially complete exposure pathways for these receptor groups are discussed below. NYSDEC (2010) defines surface soil as the top 2 inches of soil; however, for the purposes of this exposure assessment, all soils are treated as potentially accessible in the future.

5.2.1.1 Current/Future On-Site Construction and Utility Workers

Subsurface excavations could take place to repair utility lines under the current and future scenarios. Subsurface activities could take place in the future during redevelopment activities. During these potential excavations, construction or utility workers may potentially be exposed to constituents in surface and subsurface soil via incidental ingestion, dermal contact, and inhalation of volatiles and particulates in outdoor air originating from soils.

5.2.1.2 Future On-Site Residents

Future use of the 329 Clarkson Avenue property may include residential space. Under Restricted Residential Use, vegetable gardening is not permitted. Therefore, in the absence of remediation or institutional controls, and if soils become accessible in the future, residents could potentially be exposed to constituents in surface soil during outdoor activities (e.g., flower gardening, lawn maintenance, playing). Exposures could occur via incidental ingestion, dermal contact, and inhalation of constituents in outdoor air originating from soil. As noted previously, consumption of groundwater as drinking water is an incomplete exposure pathway.

5.2.1.3 Future On-Site Maintenance Workers

Future use of the 329 Clarkson Avenue property may include community facilities, recreational and ornamental garden areas, and underground parking. In the absence of remediation or institutional controls, and if soils become accessible in the future, outdoor workers could potentially be exposed to constituents in surface soil while performing maintenance activities (e.g., trimming landscaping) via incidental ingestion, dermal contact, and inhalation of constituents in outdoor air originating from soil. As noted previously, consumption of groundwater as drinking water is an incomplete exposure pathway.

5.2.1.4 Future Site Visitors and Trespassers

In the absence of remediation or institutional controls, and if soils become accessible in the future, visitors and trespassers may potentially contact constituents in surface soil from direct contact and inhalation of constituents in outdoor air derived from soil. The potential exposure time for visitors and trespassers is expected to be short in comparison with potential future residents. Therefore, the potential for exposure to constituents in surface soil is lower than that for residents, and the evaluation of the potential residential scenario is protective of visitors and trespassers.

5.2.2 Off-Site Receptors

As the 329 Clarkson Avenue property is located in mixed-use area, off-Site receptors include residential, commercial workers, light manufacturing workers, and construction/utility workers. There are no known off-Site impacts. Off-Site receptors are not expected to have direct contact (ingestion/dermal contact) with 329 Clarkson Avenue property soils under the current or future scenario. Because the 329 Clarkson Avenue property soils are currently covered by pavement and concrete, inhalation of constituents in outdoor air carried off-Site by wind is not a complete exposure pathway under the current scenario. During redevelopment activities, the off-Site outdoor air inhalation pathway could be complete due to excavation activities. However, air monitoring would be conducted as prescribed in the CAMP in Attachment C of the SMP, and mitigation measure would be undertaken to minimize potential off-Site migration. In the absence of on-Site remediation or institutional controls, the off-Site outdoor air inhalation pathway may also be complete after redevelopment. However, any potential exposure to off-Site receptors would be lower than those for on-Site receptors. Therefore, the evaluation of on-Site receptors is protective of off-Site receptors.

5.3 Identification of Constituents of Concern

Future land use categories which may be applicable to the 329 Clarkson Avenue property include Restricted Residential (i.e., residential with no vegetable gardens) and Commercial Use. Therefore, RRUSCOs and Commercial Use Soil Cleanup Objective (CUSCOs) are potentially applicable. As the RRUSCOs are lower than the CUSCOs, the RRUSCOs are used to identify soil COCs. While leaching from soil to groundwater is possible, given the depth to groundwater (49.5 to 50 ft bgs), the leaching to groundwater pathway is considered insignificant. Therefore, protection of groundwater SCOs are not used in COC identification.

A total of 78 soil samples and 7 field duplicate samples from investigations at the 329 Clarkson Avenue property were collected and analyzed for SVOCs, VOCs, PCBs, pesticides, and metals. The soil analytical data were reviewed and validated by a chemist and were deemed acceptable for use. The soil data for were compared to the RRUSCOs in **Tables 4-2** through **4-4**. **Section 4.4** presents a detailed discussion of the comparison. In this section, SCO exceedances are further discussed to place them into context given the discussion of potentially complete exposure pathways provided in **Section 5.2**.

In addition to the analyses discussed above, six soil samples and one duplicate were analyzed for PFAS constituents for informational purposes only. As discussed in **Section 1.1**, PFAS are not representative of residuals from historical MGP operations. PFAS were not detected in the majority of samples. NYSDEC provides guidance values for PFOS and PFOA (NYSDEC, 2021). PFOS and PFOA were detected in soil samples from two locations (SB-202 and SB-207) at concentrations below the guidance values. Therefore, potential exposure to PFAS at the 329 Clarkson Avenue property is low.

Constituents with concentrations above RRUSCOs in soil samples include PAHs and metals in the following locations:

Constituent	SB-204	SB-205	SB-206	SB-207	SB-208	SB-209	SB-212	SB-213	SB-214	SB-217	SB-218	SB-219	TP-202
PAHs													
Acenaphthene				X									
Anthracene				X									
Benzo[a]anthracene		X		X			X	X			X		X
Benzo[a]pyrene		X		X			X	X	X		X		X
Benzo[b]fluoranthene	X	X		X			X	X	X		X		X
Benzo[k]fluoranthene		X		X									X
Chrysene		X		X			X						X
Dibenz(a,h)anthracene		X		X			X	X					X
Fluoranthene				X									

Constituent	SB-204	SB-205	SB-206	SB-207	SB-208	SB-209	SB-212	SB-213	SB-214	SB-217	SB-218	SB-219	TP-202
Indeno[1,2,3-cd]pyrene	X	X		X			X	X	X	X	X		X
Phenanthrene				X									
Pyrene				X									
Metals													
Arsenic					X		X		X		X		X
Barium	X												
Cadmium													X
Copper													X
Lead	X		X	X	X	X	X		X		X	X	X
Mercury			X	X		X	X	X	X		X	X	X

The majority of PAH exceedances are located within the top five feet of soil. Concentrations of indeno[1,2,3-cd]pyrene exceeded the SCO in two deeper samples, SB-212 (17-19 feet bgs) and SB-217 (6-8 feet bgs).The majority of metals exceedances are located within the top five feet of soil. Concentrations of arsenic and mercury exceeded SCOs at 10-12 ft bgs at location SB-218, and the concentration of mercury exceeded the SCO at 13-15 ft bgs at location SB-219. Metals are unlikely to be related for former Site activities.

As noted previously, there are no current exposures to Site soils, which are located under pavement. Future on-Site receptors (residents, workers visitors, trespassers, etc.) could be exposed to these COCs via incidental ingestion, dermal contact, and inhalation of constituents in outdoor air if these soils were to remain in place and become accessible after redevelopment.

Uncertainties in COC Selection

The dataset for the 329 Clarkson Avenue property includes a total of 84 soil samples and 8 duplicate soil samples (5 samples and a duplicate for PFAS only) from the just below the ground surface to a maximum depth of 95 ft bgs. As indicated in **Figures 4-4** to **4-5**, delineation compared to the RRUSCOs is complete both horizontally and vertically within the bounds of 329 Clarkson Avenue property.

The samples were analyzed for a wide suite of analytes, including VOCs, SVOCs, PCBs, pesticides, metals, cyanide, and PFAS. It is unlikely that constituents not on the analyte suite contribute significantly to exposure. Detection limits are below RRUSCOs. Therefore, it is unlikely that concentrations of un-detected chemicals contribute significantly to potential exposures at the 329 Clarkson Avenue property.

5.4 Conclusions

There are no complete exposure pathways for groundwater on the 329 Clarkson Avenue property under current exposure scenarios. Under the current scenario, there are no potentially complete exposure pathway for soil on the 329 Clarkson Avenue. Future on-Site receptors (residents, workers, visitors, trespassers, construction workers, etc.) could be exposed to PAHs and metals at concentrations above RRUSCOs if soils become accessible and remain in place. There were no exceedances of pesticides, PCBs, or VOCs. Potential exposure to COCs above RRUSCOs is limited to the following 13 locations and depths:

- SB-204 (3-5 ft)
- SB-205 (3-5 ft)
- SB-206 (1-3 ft)
- SB-207 (2-4 ft)
- SB-208 (1-3 ft)

- SB-209 (1-3 ft)
- SB-212 (1-3 ft, 17-19 ft)
- SB-213 (2-4 ft)
- SB-214 (2-4 ft)
- SB-217 (3-5 ft, 6-8 ft)
- SB-218 (2-4 ft, 10-12 ft)
- SB-219 (1-3 ft, 13-15 ft)
- TP-202 (1-3 ft, 5-6 ft)

Based on the results of this evaluation, if the current use of the 329 Clarkson Avenue property is changed from commercial to mixed use that includes restricted residential use, residential exposure (as well as visitor and trespasser) to soils within the above locations should be prevented. As with the construction worker scenario, the RRUSCOs are overly conservative for the outdoor commercial/maintenance worker pathway. If commercial use of the 329 Clarkson Avenue property is retained and CUSCOs are used, the number of exceedances is reduced but not eliminated. Therefore, outdoor commercial/maintenance worker exposure to soil should also be prevented. As noted previously, all of the 12 soil borings and the test pit locations above are currently inaccessible and are likely to be excavated as part of the site redevelopment.

Potential exposure pathways for off-Site receptors and groundwater are incomplete or insignificant.

6. Summary and Conclusions

6.1 Summary of findings

The following sections present the findings of the RSOI performed at 329 Clarkson Avenue on the Southern Parcel of the Flatbush Station A&B Former Gas Holder Site located in Brooklyn, Kings County, New York. Specifically, this report presents an overview of the Southern Parcel history, geology and hydrogeology, identification of former MGP related structures, observed visual and olfactory impacts in the subsurface, and a summary of the soil and soil vapor results from the 2011 SC and 2021 RSOI. Conclusions from the 2021 RSOI are provided at the end of the section.

The 329 Clarkson Avenue property is being planned for a multi-use development, which includes residential space, community facilities, recreational and ornamental garden areas, and underground parking. In accordance with the NYSDEC-approved Site Management Plan (SMP, NYSDEC, 2014), the primary objective of the RSOI was to evaluate the risk of exposure for the construction workers and future residents to residual impacts from the former gas plant operations.

6.1.1 Observed Former MGP and I.E.P Structures

Former structures encounter in test pits and soil borings at 329 Clarkson Avenue include the former Brick Oil Tank, Brick Oil House, and the Boiler House.

The concrete pad of the former Brick Oil Tank was encountered from 1.5 to 3.5 ft bgs, and fill material above the concrete consisted of dry sand and gravel with some cobbles, whole and fragmented pieces of brick, cobble stones, and a metal fence post in concrete. No visual or olfactory related MGP or petroleum impacts were observed above or below the concrete pad.

The concrete pad of the former Oil House was encountered 1 to 3.5 ft bgs. Fill material above the concrete pad consisted of dry sand with a little gravels, and no visual or olfactory related MGP or petroleum impacts were observed above or below the concrete pad.

Five soil borings were advanced within the footprint of the former Boiler House. Concrete slabs were observed at rom 5.5 to 9.5 ft bgs at SB-217 and SB-218, respectively. At SB-219, large pieces of broken concrete were observed from 8 to 15 ft bgs. Concrete was not observed at SB-212 or SB-213. However, woody debris with a rotting wood or creosote-like odor and PID headspace reading of 692 ppm was observed at SB-212. The origin of this wood is unknown, but it could possibly be a former support piling or fill.

6.1.2 Observed Visible and Olfactory Impacts

Visual and olfactory impacts beneath the property were very limited and were only observed in 5 of the 28 investigation locations, with most of the impacts being present beneath the water table. Observed impacts consisted of odors (subjectively qualified as petroleum-like, gasoline-like, rotten wood, creosote-like, or naphthalene-like by the field geologist) and petroleum staining. NAPL-like material, tar coatings, or sheens were not observed anywhere on the property.

Only one olfactory impact was observed in the shallow soils. The impact consisted of wood debris with a rotten wood and trace creosote-like odor from 9.5 to 12.5 ft bgs within the fill unit, with a corresponding PID headspace reading of 692 ppm. PID readings at the three step-out borings (SB-217, SB-218, and SB-219) were all below 100 ppm.

Observations of impacts in the deep vadose zone soils were limited to one observation of petroleum-like odors from 44 to 50 ft bgs at 2011 SC soil boring SB-6 located in the northeast corner of the site and adjacent to the BP service station. The petroleum-like odors continue beneath the groundwater table to a

depth of 69 ft bgs, and include petroleum staining and a strong gasoline-like odor with a PID head space of 1350 ppm from 50-52 ft bgs at the groundwater table surface. A faint naphthalene-like odor was also observed at SB-6 from 71.5 to 74 ft bgs. The remainder of the observations included faint to strong naphthalene-like odors beneath the water table at 2011 SC soil boring locations SB-8, SB-22, and SB-10 located along the eastern and southern sides of the property.

6.1.3 Analytical Results in Subsurface Soil

A total of 16 of the 54 VOCs analyzed were detected in 59 of the 85 subsurface soil samples collected from soil borings and test pits in 2011 and 2021 (**Table 4-2** and **Figure 4-4**). Of the 59 soil samples, 20 were collected from the upper 5 ft of the subsurface, and 24 were collected from 5 to 25 ft bgs, and 15 were collected below 25 ft bgs. None of the 54 VOCs analyzed were detected above the RRUSCOs. The highest total VOC was 4.742 mg/kg was detected from soil boring SB-6 collected at the water table surface (from 50 to 52 ft bgs) adjacent to the BP gasoline service station.

A total of 28 of the 67 SVOCs analyzed were detected in the subsurface soil samples collected in 2011 and 2021**.** Of the 85 soil samples analyzed, 63 samples had one or more SVOC detected, and 13 samples had concentrations of one or more individual SVOCs in exceedance of the RRUSCOs. These included 12 PAHs, a subset of SVOCs. Of the 13 samples with SVOCs above the RRUSCOs, 9 were collected from the upper five feet of the subsurface soils, and four were collected from between 5 and 20 ft bgs primarily within fill material. The concentrations of total SVOCs in these 13 samples ranged from 1.095 mg/kg at SB-216 (from 18 to 20 ft bgs) to 2,585.54 mg/kg at SB-207 (from 2-4 ft bgs) within fill material. None of the soil samples collected between 20 and 90 ft bgs contained concentrations of SVOCs above the RRUSCOs. While PAHs are commonly detected at MGPs, they are generated by other processes as well, and are commonly detected in urban environments.

Six metals were detected at levels exceeding the RRUSCOs in 15 of the 85 soil samples collected in 2011 and 2021. The metals that exceeded RRUSCOs, listed from the most to least number of exceedances (provided in parentheses), include mercury (13), lead (12), arsenic (6), barium (1), cadmium (1), and copper (1). The majority (13) of the soil samples with concentrations of metals above the RRUSCOs were collected from the upper five feet of soil within fill materials, and two samples were collected from 10 to 15 ft bgs. None of the samples collected below 15 feet contained one or more metal detected at concentrations above the RRUSCOs.

In 2011, none of the soil samples contained a concentration of total cyanide above the RRUSCO. While there are no listed RRUSCOs from amenable cyanide and free cyanide, all the detected concentrations in the soil samples collected in 2011 and 2020 were below the total cyanide RRUSCO.

None of the nine PCB Aroclors analyzed were detected in the 85 subsurface soil samples collected in 2011 and 2021, and none of the 5 herbicides analyzed were detected in the 17 soil samples collected in 2011. Two pesticides, 4,4-DDE and 4,4-DDT were detected in four soil samples. Three of the detected concentrations were from the upper five feet of soil in fill material, and one sample was collected from 12 to 14 ft bgs at SB-212 where the woody debris and fill material was observed. All pesticide concentrations were below the RRUSCOs.

While PFAS compounds, including PFOA and PFAS, were detected in two of the seven samples analyzed for PFAS, no PFAS compounds were detected above the RRUSCOs or the protective of groundwater criteria.

6.1.4 Soil Vapor Results

A total of 44 of the 90 VOCs analyzed were detected in the ten soil gas samples collected in 2021. Total VOC concentrations ranged from 82.98 µg/m^3 at SV-215 in the southeast corner of the property to 21,896 µg/m^3 at SB-207 in the northeast corner of the property adjacent to the BP Gasoline Service Station.

6.1.5 Qualitative Human Health Risk Assessment

There are no complete exposure pathways for groundwater on the 329 Clarkson Avenue property under current exposure scenarios. Under the current scenario, there are no potentially complete exposure pathway for soil on the 329 Clarkson Avenue. Future on-Site receptors (residents, workers, visitors, trespassers, construction workers, etc.) could be exposed to PAHs and metals at concentrations above RRUSCOs if soils become accessible and remain in place. There were no exceedances of pesticides, PCBs, or VOCs. Only properly trained and certified field personnel should complete the subsurface excavation work in this area using methods specified in a site-specific HASP developed by each subcontractor.

Future on-Site receptors (residents, workers, visitors, trespassers, etc.) could be exposed to PAHs and metals at concentrations above RRUSCOs if soils become accessible and remain in place.

Based on the results of this evaluation, if the current use of the 329 Clarkson Avenue property is changed from commercial to mixed use that includes restricted residential use, residential exposure (as well as visitor and trespasser) to soils within the above locations should be prevented. As with the construction worker scenario, the RRUSCOs are overly conservative for the outdoor commercial/maintenance worker pathway. If commercial use of the 329 Clarkson Avenue property is retained and CUSCOs are used, the number of exceedances is reduced but not eliminated. Therefore, outdoor commercial/maintenance worker exposure to soil should also be prevented. As noted previously, these locations are currently inaccessible and are likely to be excavated as part of the site redevelopment.

Potential exposure pathways for off-Site receptors and groundwater are incomplete or insignificant.

6.2 Conclusions

The objectives of the RSOI have been achieved in accordance with the NYSDEC approved workplan (AECOM, 2021). The extent and distribution of residual Site related impacts in soil relative to the RRUSCOs for soil samples, combined with the visual and olfactory observations, has been delineated horizontally and vertically on the Southern Parcel within the bounds of 329 Clarkson Avenue property.

Results of the investigation indicate that the former use of the property for the manufacture of gas and the generation of electric power did not result in the release of MGP-related residuals to subsurface media. While foundations of the former MGP and I.E.P structures (the Brick Oil Tank, Oil House, and Boiler House) were encountered, NAPL blebs, coating, saturation, or sheens were not observed within the structures or in any of the soil borings or test pits excavated on the property. Olfactory observations were primarily at the groundwater table and below and consisted of petroleum-like and gasoline-like odors in the northeast corner of the property, while deeper observations within the water table were described as naphthalene-like. The odor associated with the woody fill debris observed from 9.5 to 12.5 feet bgs in SB-212 advanced with in the footprint of the Boiler House was not easily identified, and the onsite geologist indicated a slight rotten wood and trace creosote like odor. One of the few compounds detected was a pesticide, which is not and MGP derived material, was present in this woody debris. Observations of soil and gravel, and occasional brick and concrete pieces were observed in the fill, while materials indicative of MGP-related activities, such as slag, ash, and purifier waste (wood chips and/or-iron filings) were absent.

The majority of the soil samples with detections of SVOCs and metals above the RRUSCOs were present in urban fill in the upper 5 ft of soils, as well as a few samples down to 20 ft bgs. These soils were distributed through the central part of the property as well as the northeast corner. Some of the soil samples with PAHs above the RRUSCOs were encountered within the footprint of the Oil House and the Boiler House, and none were encountered within the former Brick Oil Tank. While PAHs and lead are often present at MGP sites, they are also common in urban fill material from both residential and commercial use and the incomplete combustion of petroleum (mostly vehicles), and the use of lead paints. The majority of the concentrations of VOCs, SVOCs, metals, cyanide, and pesticides were detected in upper five feet of soil, which was reworked and/or imported to the Site after the MGP and

I.E.P were closed, and the manufacturing warehouse was built. In addition, the highest concentrations of VOCs (which were not detected above the RRUSCOs) and SVOCs in soil and VOC in soil vapor, were detected in the northeast corner of the property at SB-6 (2011) (at the water table) and SB-207/SV-207 (2021) installed adjacent to the BP gasoline service station indicating an off-site, non-MGP source of impacts.

6.3 Recommendations

Additional investigation at 329 Clarkson Avenue is not recommended or warranted based on the investigation findings and no additional controls are recommended if the use of the property remains unchanged. However, developing the 329 Clarkson Avenue property for mixed use, including Restricted Residential Use, requires modifying the SMP and Environmental Easement, and instituting ICs and ECs to prevent residents, visitors, and construction workers from potentially coming into contact with the subsurface soils unless the upper 15 to 20 ft of soil is removed at locations where COCs were detected at concentrations above the RRUSCOs. Excavation of subsurface materials for the purpose of remediation and / or property development will require the drafting of an excavation work plan as Specified in Appendix C of the SMP (AECOM, 2016), and the use of properly trained environmental contractors to excavate and dispose of the soil at a NYSDEC approved facility. Inspection of excavated materials and CAMP monitoring by National Grid environmental contractors will also be required.

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Tables

Table 4-1
Summary of Observed Visible and Olfactory Impacts (2011 - 2021)
329 Clarkson Avenue, Flatbush Station A and B Former Gas Holder Site
Brooklyn, New York

AECOM

Boring ID	Ground Elevation (ft NAVD88)	Total Boring Depth (ft bgs)	Visual and Olfactory Observations		Max PID Headspace	
			(ft bgs)	Description	(ft bgs)	(PPM)
SB-6/MW-6	57.82	74	0 - 2	*No Visual or Olfactory Impacts Observed*	0 - 2	ND
			2 - 4	*Concrete*	2 - 4	ND
			4 - 44	*No Visual or Olfactory Impacts Observed*	39 - 41	3.1
			44 - 50	**Petroleum-like odors**	44 - 49	13.7
			50 - 52	**Petroleum staining and strong gasoline-like odor**	**50 - 52**	**1350**
			52 - 69	**Petroleum-like odors**	**54 - 59**	**328**
			69 - 71.5	*No Visual or Olfactory Impacts Observed*	69 71.5	3.8
			71.5 - 74	**Faint Tar/Napthalene-like odor**	71.5 - 74	17.1
SB-7/MW-7	58.23	69	0 - 3	*No Visual or Olfactory Impacts Observed*	0 - 3	ND
			3 - 3.5	*Concrete*	3 - 3.5	ND
			3.5 - 69	*No Visual or Olfactory Impacts Observed*	26.5 - 29	3.1
SB-8/MW-8	57.62	64	0 - 55	*No Visual or Olfactory Impacts Observed*	29 - 31.5	3.1
			55 - 64	**Faint Tar/Napthalene-like odor**	56 - 59	2.5
SB -16	58.13	70	0 - 1.5	*No Visual or Olfactory Impacts Observed*	0 - 1.5	ND
			1.5 - 1.8	*Concrete*	1.5 - 1.8	ND
			1.8 - 70	*No Visual or Olfactory Impacts Observed*	17 - 20	34
SB-22/MW-9	58.30	95	0 - 1.5	*No Visual or Olfactory Impacts Observed*	0 - 1.5	2.9
			1.5 - 1.8	*Concrete*	1.5 - 1.8	0.7
			1.8 - 62.5	*No Visual or Olfactory Impacts Observed*	37.5 - 40	3.2
			62.5 - 95	**Strong to Faint Tar/Naphthalene-like odor**	**80 - 82.5**	**149.6**
SB-23/MW-10	58.02	95	0 - 2	*No Visual or Olfactory Impacts Observed*	1 - 2	0.1
			2 - 2.4	*Concrete*	2 - 2.4	0.1
			2.4 - 58	*No Visual or Olfactory Impacts Observed*	30 - 32.5	5.8
			58 - 65	**Faint Tar/Naphthalene-like odor**	62.5 - 65	6.2
			65 - 68	*No Visual or Olfactory Impacts Observed*	67.5 - 68	2.0
			68 - 73	**Faint Tar/Naphthalene-like odor**	72.5 - 73	15.9
			73 - 75	*No Visual or Olfactory Impacts Observed*	73 - 75	15.9
			75 - 95	**Faint to Moderate Tar/Naphthalene-like odor**	85 - 87.5	60.1
SB-201	58.88	85	0 - 85	*No Visual or Olfactory Impacts Observed*	**8 - 9**	**108.1**
SB-202/SV-202	59.39	85	0 - 85	*No Visual or Olfactory Impacts Observed*	14 - 15	85.9
SB-203	58.31	25	0 - 25	*No Visual or Olfactory Impacts Observed*	9 - 10	9.7
SB-204/SV-204	58.36	90	0 - 90	*No Visual or Olfactory Impacts Observed*	13 - 14	67
SB-205/SV-205	58.15	25	0 - 25	*No Visual or Olfactory Impacts Observed*	3 - 5	57.6
SB-206/SV-206	58.17	25	0 - 25	*No Visual or Olfactory Impacts Observed*	0 - 25	ND
SB-207/SV-207	56.85	25	0 - 25	*No Visual or Olfactory Impacts Observed*	**8 - 9**	**102.2**
SB-208	58.12	30	0 - 30	*No Visual or Olfactory Impacts Observed*	9.5 - 10	53.7
SB-209/SV-209	58.08	25	0 - 25	*No Visual or Olfactory Impacts Observed*	**9 - 10**	**101.7**
SB-210/SV-210	58.43	25	0 - 25	*No Visual or Olfactory Impacts Observed*	**9 - 10**	**124.2**
SB-211	58.35	25	0 - 3	*No Visual or Olfactory Impacts Observed*	0 - 3	ND
			3 - 4.5	*Concrete Blocks*	3 - 4.5	ND
			4.5 - 25	*No Visual or Olfactory Impacts Observed*	**18.5 - 19.5**	**114.8**
SB-212/SV-212	58.06	30	0 - 9.5	*No Visual or Olfactory Impacts Observed*	8 - 9.5	13
			9.5 - 12.5	**Rotten Wood / Creosote-Like Odor**	**9.5 - 10**	**692**
			12.5 - 30	*No Visual or Olfactory Impacts Observed*	18 - 19	25.8
SB-213	58.15	25	0 - 25	*No Visual or Olfactory Impacts Observed*	9 - 10	12.5
SB-214	58.17	25	0 - 25	*No Visual or Olfactory Impacts Observed*	6 - 8	77.1
SB-215/SV-215	58.09	25	0 - 25	*No Visual or Olfactory Impacts Observed*	12 - 14	71.7
SB-216/SV-216	58.04	25	0 - 25	*No Visual or Olfactory Impacts Observed*	8 - 9	54.4
SB-217	58.08	20	0 - 5.5	*No Visual or Olfactory Impacts Observed*	5 - 5.5	34.3
			5.5 - 6	*Concrete*	5.5 - 6	ND
			6 - 20	*No Visual or Olfactory Impacts Observed*	6 - 6.5	62.96

Table 4-1
Summary of Observed Visible and Olfactory Impacts (2011 - 2020)
329 Clarkson Avenue, Flatbush Station A and B Former Gas Holder Site
Brooklyn, New York

Boring ID	Ground Elevation (ft NAVD88)	Total Boring Depth (ft bgs)	Visual and Olfactory Observations		Max PID Headspace	
			(ft bgs)	Description	(ft bgs)	(PPM)
SB-218	58.16	20	0 - 9.5	*No Visual or Olfactory Impacts Observed*	8 - 9	22.8
			9.5 - 10	*Concrete*	9.5 - 10	3.5
			10 - 20	*No Visual or Olfactory Impacts Observed*	15.5 - 16	36.8
SB-219	58.10	20	0 - 9	*No Visual or Olfactory Impacts Observed*	8 - 9	14.9
			9 - 12	*Broken Concrete*	9 - 10	13.4
			12 - 20	*No Visual or Olfactory Impacts Observed*	14.5 - 15	11.1
SB-219A	58.10	25	0 - 5	*No Visual or Olfactory Impacts Observed*	0 - 5	ND
			5 - 15.5	*Broken Up Concrete*	15.5 - 16	4.3
			15.5 - 25	*No Visual or Olfactory Impacts Observed*	17 - 20	21.6
TP-201	58.17	7	0 - 2.5	*No Visual or Olfactory Impacts Observed*	1.5 - 2.5	3
			2.5 - 3.5	*Concrete*	2.5 - 3.5	1.5
			3.5 - 7	*No Visual or Olfactory Impacts Observed*	6 - 7	0.8
TP-202	58.04	7	0 - 1	*No Visual or Olfactory Impacts Observed*	0 - 1	0.8
			1 - 5	*Concrete*	3 - 5	0.5
			5 - 7	*No Visual or Olfactory Impacts Observed*	5 - 6	0.5

Notes:
NAVD88 - North American Vertical Datum of 1988
ft bgs - feet below ground surface
PID - Photo-ionization detector which measures total VOCs in air.
VOC - Volatile Organic Compounds
PPM - Parts Per Million
Bold indicates impact observed or PID reading above 100 PPM.

Table 4-2
Summary of Analytical Results for VOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-06	SB-06	SB-06	SB-07	SB-07	SB-07	SB-08	SB-08	SB-08	SB-16	SB-16	SB-16	SB-22	SB-22	SB-22
Property:			329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-6(4.5-5)011711	SB-6(50-52)011811	SB-6(66.5-69)011811	SB-7 (4.5-5)012011	SB-7 (51.5-54)012111	SB-7 (66.5-69)012011	SB-8 (3-5)021611	SB-8 (43-46)021611	SB-8 (56-59)021611	SB-16(4-5)012211	SB-16(47-50)012211	SB-16(68-70)012211	SB-22(1-2)062411	SB-22(82.5-85)062411	SB-22(92.5-95)062411
Sample Date:			1/17/2011	1/18/2011	1/18/2011	1/20/2011	1/20/2011	1/20/2011	2/16/2011	2/16/2011	2/16/2011	1/22/2011	1/22/2011	1/22/2011	7/6/2011	7/6/2011	7/6/2011
Depth Interval (ft bgs):			4.5 - 5 ft	50 - 52 ft	66.5 - 69 ft	4.5 - 5 ft	51.5 - 54 ft	66.5 - 69 ft	3 - 5 ft	43 - 46 ft	56 - 59 ft	4-5	47-50	68-70	1 - 2 ft	82.5 - 85 ft	92.5 - 95 ft
BTEX (mg/Kg)																	
Benzene	71-43-2	4.8	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Ethylbenzene	100-41-4	41	< 0.0012 U	**1.2**	**0.00033 J**	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	**0.00033 J**	< 0.0012 U
m&p-Xylene	1330-20-7-M,P	NL	< 0.0024 U	**2.7**	**0.00082 J**	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0024 U	< 0.0019 U	< 0.0022 U	< 0.0020 U	< 0.0020 U	< 0.0024 U	< 0.0023 U	**0.00060 J**	< 0.0023 U
o-Xylene	95-47-6	NL	< 0.0012 U	**0.56**	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	**0.00069 J**	< 0.0012 U
Total Xylenes	CALC-Xylenes	100	< 0.0012 U	**3.26**	**0.00082**	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	**0.00129**	< 0.0012 U
Toluene	108-88-3	100	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Total BTEX	CALC-BTEX	NL	< 0.0012 U	**4.46**	**0.00115 J**	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	**0.00162 J**	< 0.0012 U
VOCs (mg/Kg)																	
1,1,1,2-Tetrachloroethane	630-20-6	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,1-Trichloroethane	71-55-6	100	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 UJ	< 0.0012 U
1,1,2-Trichloroethane	79-00-5	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,1-Dichloroethane	75-34-3	26	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,1-Dichloroethene	75-35-4	100	< 0.0012 U	< 0.093 UJ	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,2,3-Trichlorobenzene	87-61-6	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,2,4-Trichlorobenzene	120-82-1	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 UJ	< 0.0012 U
1,2-Dibromo-3-Chloropropane	96-12-8	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 UJ	< 0.0010 UJ	< 0.00098 UJ	< 0.0012 UJ	< 0.00096 UJ	< 0.0011 UJ	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,2-Dibromoethane	106-93-4	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,2-Dichlorobenzene	95-50-1	100	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,2-Dichloroethane	107-06-2	3.1	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,2-Dichloropropane	78-87-5	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,3-Dichlorobenzene	541-73-1	49	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,4-Dichlorobenzene	106-46-7	13	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
1,4-Dioxane	123-91-1	NL	< 0.061 UJ	< 4.7 U	< 0.046 UJ	< 0.051 UJ	< 0.051 UJ	< 0.049 UJ	< 0.061 UJ	< 0.048 UJ	< 0.055 UJ	< 0.049 UJ	< 0.049 UJ	< 0.06 UJ	< 0.058 UJ	< 0.06 UJ	< 0.058 UJ
2-Butanone	78-93-3	100	R	< 0.93 U	R	R	R	R	**0.0081 J**	R	R	R	R	R	< 0.012 U	< 0.012 U	< 0.012 U
2-Hexanone	591-78-6	NL	< 0.012 UJ	R	< 0.0092 UJ	< 0.01 UJ	< 0.01 UJ	< 0.0098 UJ	< 0.012 U	< 0.0096 U	< 0.011 U	< 0.0098 UJ	< 0.0098 UJ	< 0.012 UJ	< 0.012 U	< 0.012 UJ	< 0.012 U
2-Methyl-2-propanol	75-65-0	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	108-10-1	NL	< 0.012 UJ	< 0.93 UJ	< 0.0092 UJ	< 0.01 UJ	< 0.01 UJ	< 0.0098 UJ	< 0.012 U	< 0.0096 U	< 0.011 U	< 0.0098 UJ	< 0.0098 UJ	< 0.012 UJ	< 0.012 U	< 0.012 UJ	< 0.012 U
Acetone	67-64-1	100	< 0.013 U	R	**0.016 J**	**0.01 J**	**0.022 J**	**0.012 J**	**0.047 J**	R	**0.0080 J**	**0.0077 J**	**0.0056 J**	**0.013 J**	R	**0.012 J**	**0.015 J**
Bromochloromethane	74-97-5	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Bromodichloromethane	75-27-4	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Bromoform	75-25-2	NL	< 0.0012 U	< 0.093 U	< 0.00092 UJ	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 UJ	< 0.00096 UJ	< 0.0011 UJ	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Bromomethane	74-83-9	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Carbon disulfide	75-15-0	NL	< 0.0012 U	< 0.093 U	**0.00090 J**	< 0.0010 UJ	< 0.0010 UJ	< 0.00098 UJ	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 UJ	< 0.00098 UJ	< 0.0012 UJ	< 0.0012 U	**0.00061 J**	< 0.0012 U
Carbon tetrachloride	56-23-5	2.4	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 UJ	< 0.0010 UJ	< 0.00098 UJ	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Chlorobenzene	108-90-7	100	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Chloroethane	75-00-3	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Chloroform	67-66-3	49	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	**0.00033 J**	< 0.0012 U	< 0.0012 U	< 0.0012 U
Chloromethane	74-87-3	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
cis-1,2-Dichloroethene	156-59-2	100	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
cis-1,3-Dichloropropene	10061-01-5	NL	< 0.0012 U	< 0.093 UJ	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 UJ	< 0.0012 U
Cyclohexane	110-82-7	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Dibromochloromethane	124-48-1	NL	< 0.0012 U	< 0.093 UJ	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Dichlorodifluoromethane	75-71-8	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Freon TF	76-13-1	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Isopropylbenzene	98-82-8	NL	< 0.0012 U	**0.23**	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	**0.00057 J**	< 0.0012 U	< 0.0012 U	< 0.0012 U
Methyl acetate	79-20-9	NL	R	R	R	R	R	R	R	R	R	R	R	R	< 0.0012 U	< 0.0012 U	< 0.0012 U
Methylcyclohexane	108-87-2	NL	< 0.0012 U	**0.052 J**	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Methylene Chloride	75-09-2	100	**0.00074 J**	< 0.093 U	**0.00053 J**	**0.00059 J**	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	**0.00073 J**	< 0.00098 U	**0.0014**	**0.0020**	**0.0027**	**0.0052**
MTBE	1634-04-4	100	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Styrene	100-42-5	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 UJ	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Tetrachloroethene	127-18-4	19	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
trans-1,2-Dichloroethene	156-60-5	100	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
trans-1,3-Dichloropropene	10061-02-6	NL	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Trichloroethene	79-01-6	21	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Trichlorofluoromethane	75-69-4	NL	< 0.0012 U	< 0.093 UJ	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Vinyl chloride	75-01-4	0.9	< 0.0012 U	< 0.093 U	< 0.00092 U	< 0.0010 U	< 0.0010 U	< 0.00098 U	< 0.0012 U	< 0.00096 U	< 0.0011 U	< 0.00098 U	< 0.00098 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Total VOC	CALC-VOC	NL	**0.00074 J**	**0.282 J**	**0.01743 J**	**0.01059 J**	**0.022 J**	**0.012 J**	**0.0551 J**	< 0.00096 U	**0.008 J**	**0.00843 J**	**0.0056 J**	**0.0153 J**	**0.002**	**0.01531 J**	**0.0202 J**
Total BTEX+VOC	CALC-BTEX+VOC	NL	**0.00074 J**	**4.742 J**	**0.01858 J**	**0.01059 J**	**0.022 J**	**0.012 J**	**0.0551 J**	< 0.00096 U	**0.008 J**	**0.00843 J**	**0.0056 J**	**0.0153 J**	**0.002**	**0.01693 J**	**0.0202 J**

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results
VOC - Volatile Organic Compounds

Table 4-2
Summary of Analytical Results for VOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-23	SB-23	SB-201	SB-201	SB-201	SB-201	SB-201	SB-202	SB-202	SB-202	SB-202	SB-203	SB-203	SB-203	SB-203
Property:			329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-23(77.5-80)062411	SB-23(92.5-95)062411	SB-201(02-04)	SB-201(08-10)	DUPE-04-082921	SB-201(23-25)	SB-201(48-50)	SB-202(03-05)	SB-202(13-15)	SB-202(17-19)	SB-202(47.5-49.5)	SB-203(03-05)	SB-203(08-10)	SB-203(18-24)	DUPE-02-082821
Sample Date:			7/13/2011	7/13/2011	8/21/2021	8/29/2021	8/29/2021	8/30/2021	8/30/2021	8/21/2021	8/31/2021	8/31/2021	8/31/2021	8/21/2021	8/28/2021	8/28/2021	8/28/2021
Depth Interval (ft bgs):			77.5 - 80 ft	92.5 - 95 ft	2-4 ft	8-10 ft	8-10 ft	23-25 ft	48-50 ft	3-5 ft	13-15 ft	17-19 ft	47.5-49.5 ft	3-5 ft	8-10 ft	18-24 ft	18-24 ft
BTEX (mg/Kg)																	
Benzene	71-43-2	4.8	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Ethylbenzene	100-41-4	41	< 0.0011 U	**0.15**	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
m&p-Xylene	1330-20-7-M,P	NL	< 0.0022 U	**0.081**	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
o-Xylene	95-47-6	NL	< 0.0011 U	**0.1**	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Total Xylenes	CALC-Xylenes	100	< 0.0011 U	**0.181**	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Toluene	108-88-3	100	< 0.0011 U	**0.00053 J**	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Total BTEX	CALC-BTEX	NL	< 0.0011 U	**0.33153 J**	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
VOCs (mg/Kg)																	
1,1,1,2-Tetrachloroethane	630-20-6	NL	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	100	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 UJ	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 UJ	< 0.0010 UJ	< 0.0012 UJ	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,1,2-Trichloroethane	79-00-5	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,1-Dichloroethane	75-34-3	26	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,1-Dichloroethene	75-35-4	100	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,2,3-Trichlorobenzene	87-61-6	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,2,4-Trichlorobenzene	120-82-1	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,2-Dibromo-3-Chloropropane	96-12-8	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,2-Dibromoethane	106-93-4	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,2-Dichlorobenzene	95-50-1	100	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,2-Dichloroethane	107-06-2	3.1	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,2-Dichloropropane	78-87-5	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 UJ	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 UJ	< 0.0010 UJ	< 0.0012 UJ	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,3-Dichlorobenzene	541-73-1	49	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,4-Dichlorobenzene	106-46-7	13	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
1,4-Dioxane	123-91-1	NL	< 0.055 U	< 0.061 U	< 0.024 UJ	< 0.020 UJ	< 0.020 U	< 0.019 U	< 0.028 U	< 0.026 UJ	< 0.022 U	< 0.021 U	< 0.024 U	< 0.024 UJ	< 0.022 U	< 0.022 U	< 0.022 U
2-Butanone	78-93-3	100	< 0.011 U	< 0.012 UJ	< 0.0059 UJ	< 0.0050 U	< 0.0051 U	< 0.0049 U	< 0.0071 U	**0.0043 J**	< 0.0055 U	< 0.0052 U	< 0.0059 U	< 0.0060 UJ	< 0.0054 U	< 0.0054 U	< 0.0055 U
2-Hexanone	591-78-6	NL	< 0.011 U	< 0.012 U	< 0.0059 UJ	< 0.0050 U	< 0.0051 U	< 0.0049 U	< 0.0071 UJ	< 0.0066 UJ	< 0.0055 U	< 0.0052 U	< 0.0059 U	< 0.0060 UJ	< 0.0054 U	< 0.0054 U	< 0.0055 U
2-Methyl-2-propanol	75-65-0	NL	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	NL	< 0.011 U	< 0.012 U	< 0.0059 UJ	< 0.0050 U	< 0.0051 U	< 0.0049 U	< 0.0071 UJ	< 0.0066 UJ	< 0.0055 U	< 0.0052 U	< 0.0059 U	< 0.0060 UJ	< 0.0054 U	< 0.0054 U	< 0.0055 U
Acetone	67-64-1	100	**0.015**	**0.0091 J**	**0.012 J**	**0.0062**	< 0.0061 U	< 0.0058 U	< 0.0085 U	**0.025 J**	< 0.0066 U	< 0.0062 U	< 0.0071 U	< 0.0072 UJ	< 0.0065 U	**0.010**	< 0.0065 U
Bromochloromethane	74-97-5	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Bromodichloromethane	75-27-4	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Bromoform	75-25-2	NL	< 0.0011 U	< 0.0012 UJ	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Bromomethane	74-83-9	NL	< 0.0011 U	< 0.0012 U	< 0.0024 UJ	< 0.0020 U	< 0.0020 U	< 0.0019 U	< 0.0028 U	< 0.0026 UJ	< 0.0022 U	< 0.0021 U	< 0.0024 U	< 0.0024 UJ	< 0.0022 U	< 0.0022 U	< 0.0022 U
Carbon disulfide	75-15-0	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	**0.00064 J**	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Carbon tetrachloride	56-23-5	2.4	< 0.0011 U	< 0.0012 UJ	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Chlorobenzene	108-90-7	100	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Chloroethane	75-00-3	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Chloroform	67-66-3	49	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Chloromethane	74-87-3	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
cis-1,2-Dichloroethene	156-59-2	100	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
cis-1,3-Dichloropropene	10061-01-5	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Cyclohexane	110-82-7	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Dibromochloromethane	124-48-1	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Dichlorodifluoromethane	75-71-8	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 UJ	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 UJ	< 0.0011 UJ	< 0.0011 UJ
Freon TF	76-13-1	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Isopropylbenzene	98-82-8	NL	< 0.0011 U	**0.0038**	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Methyl acetate	79-20-9	NL	< 0.0011 U	< 0.0012 U	< 0.0059 UJ	< 0.0050 U	< 0.0051 U	< 0.0049 U	< 0.0071 U	< 0.0066 UJ	< 0.0055 U	< 0.0052 U	< 0.0059 U	< 0.0060 UJ	< 0.0054 U	< 0.0054 U	< 0.0055 U
Methylcyclohexane	108-87-2	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Methylene Chloride	75-09-2	100	**0.015 B**	**0.019**	< 0.0024 UJ	< 0.0020 U	< 0.0020 U	< 0.0019 U	< 0.0028 U	< 0.0026 UJ	< 0.0022 U	< 0.0021 U	< 0.0024 U	< 0.0024 UJ	< 0.0022 U	< 0.0022 U	< 0.0022 U
MTBE	1634-04-4	100	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Styrene	100-42-5	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Tetrachloroethene	127-18-4	19	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
trans-1,2-Dichloroethene	156-60-5	100	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
trans-1,3-Dichloropropene	10061-02-6	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 UJ	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Trichloroethene	79-01-6	21	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	**0.0052 J**	**0.00050 J**	**0.00049 J**	**0.00062 J**
Trichlorofluoromethane	75-69-4	NL	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 UJ	< 0.0010 UJ	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 UJ	< 0.0011 UJ	< 0.0011 UJ
Vinyl chloride	75-01-4	0.9	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.00099 U	< 0.0010 U	< 0.00097 U	< 0.0014 U	< 0.0013 UJ	< 0.0011 U	< 0.0010 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
Total VOC	CALC-VOC	NL	**0.03 B**	**0.0319 J**	**0.012 J**	**0.0062**	< 0.020 U	< 0.019 U	< 0.028 U	**0.02994 J**	< 0.022 U	< 0.021 U	< 0.024 U	**0.0052 J**	**0.00050 J**	**0.01049 J**	**0.00062 J**
Total BTEX+VOC	CALC-BTEX+VOC	NL	**0.03 B**	**0.36343 J**	**0.012 J**	**0.0062**	< 0.020 U	< 0.019 U	< 0.028 U	**0.02994 J**	< 0.022 U	< 0.021 U	< 0.024 U	**0.0052 J**	**0.00050 J**	**0.01049 J**	**0.00062 J**

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results
VOC - Volatile Organic Compounds

0

Table 4-2
Summary of Analytical Results for VOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-205	SB-205	SB-205	SB-206	SB-206	SB-206	SB-206	SB-207
Property:			329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-204(03-05)	SB-204(08-10)	DUPE-07-090821	SB-204(23-25)	SB-204(33-35)	SB-204(78-80)	SB-205(03-05)	SB-205(13-15)	SB-205(18-20)	SB-206(01-03)	DUPE-01-082321	SB-206(13-15)	SB-206(18-20)	SB-207(02-04)
Sample Date:			8/23/2021	9/8/2021	9/8/2021	9/8/2021	9/8/2021	9/9/2021	8/23/2021	8/24/2021	8/24/2021	8/23/2021	8/23/2021	8/24/2021	8/24/2021	9/1/2021
Depth Interval (ft bgs):			3-5 ft	8-10 ft	8-10 ft	23-25 ft	33-35 ft	78-80 ft	3-5 ft	13-15 ft	18-20 ft	1-3 ft	1-3 ft	13-15 ft	18-20 ft	2-4 ft
BTEX (mg/Kg)																
Benzene	71-43-2	4.8	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.004**	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	**0.0019**
Ethylbenzene	100-41-4	41	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.00070 J**	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 UJ	< 0.0013 U
m&p-Xylene	1330-20-7-M,P	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.00068 J**	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 UJ	< 0.0013 U
o-Xylene	95-47-6	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.00064 J**	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 UJ	< 0.0013 U
Total Xylenes	CALC-Xylenes	100	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.00132**	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 UJ	< 0.0013 U
Toluene	108-88-3	100	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.0085**	**0.00059 J**	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 UJ	**0.00061**
Total BTEX	CALC-BTEX	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.01452 J**	**0.00059 J**	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 UJ	**0.00251**
VOCs (mg/Kg)																
1,1,1,2-Tetrachloroethane	630-20-6	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	100	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,1,2-Trichloroethane	79-00-5	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,1-Dichloroethane	75-34-3	26	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,1-Dichloroethene	75-35-4	100	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 UJ	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,2,3-Trichlorobenzene	87-61-6	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,2,4-Trichlorobenzene	120-82-1	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.00039 J**	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,2-Dibromo-3-Chloropropane	96-12-8	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,2-Dibromoethane	106-93-4	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,2-Dichlorobenzene	95-50-1	100	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,2-Dichloroethane	107-06-2	3.1	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 UJ	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,2-Dichloropropane	78-87-5	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,3-Dichlorobenzene	541-73-1	49	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 UJ	< 0.0013 U
1,4-Dichlorobenzene	106-46-7	13	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
1,4-Dioxane	123-91-1	NL	< 0.026 U	< 0.024 U	< 0.021 U	< 0.022 U	< 0.022 U	< 0.019 U	< 0.036 U	< 0.023 U	< 0.022 U	< 0.031 U	< 0.039 U	< 0.023 U	< 0.021 U	< 0.027 U
2-Butanone	78-93-3	100	< 0.0065 U	**0.0032 J**	**0.0042 J**	< 0.0054 U	**0.017**	**0.0041 J**	< 0.0091 U	< 0.0057 U	< 0.0056 U	< 0.0078 U	< 0.0098 U	< 0.0058 U	< 0.0052 U	< 0.0067 U
2-Hexanone	591-78-6	NL	< 0.0065 U	< 0.0059 U	< 0.0053 U	< 0.0054 U	**0.0034 J**	< 0.0048 U	< 0.0091 U	< 0.0057 U	< 0.0056 U	< 0.0078 U	< 0.0098 U	< 0.0058 U	< 0.0052 U	< 0.0067 U
2-Methyl-2-propanol	75-65-0	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	NL	< 0.0065 U	< 0.0059 U	< 0.0053 U	< 0.0054 U	< 0.0056 U	< 0.0048 U	< 0.0091 U	< 0.0057 U	< 0.0056 U	< 0.0078 U	< 0.0098 U	< 0.0058 U	< 0.0052 UJ	< 0.0067 U
Acetone	67-64-1	100	**0.011**	**0.019**	**0.023**	< 0.0065 U	**0.031**	< 0.0058 U	< 0.011 U	< 0.0069 U	< 0.0067 U	**0.024**	**0.034**	< 0.0070 U	< 0.0063 U	< 0.0080 U
Bromochloromethane	74-97-5	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 UJ	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Bromodichloromethane	75-27-4	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Bromoform	75-25-2	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 UJ	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Bromomethane	74-83-9	NL	< 0.0026 U	< 0.0024 U	< 0.0021 U	< 0.0022 U	< 0.0022 U	< 0.0019 U	< 0.0036 U	< 0.0023 U	< 0.0022 U	< 0.0031 U	< 0.0039 U	< 0.0023 U	< 0.0021 U	< 0.0027 U
Carbon disulfide	75-15-0	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Carbon tetrachloride	56-23-5	2.4	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Chlorobenzene	108-90-7	100	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Chloroethane	75-00-3	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Chloroform	67-66-3	49	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Chloromethane	74-87-3	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
cis-1,2-Dichloroethene	156-59-2	100	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
cis-1,3-Dichloropropene	10061-01-5	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Cyclohexane	110-82-7	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Dibromochloromethane	124-48-1	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Dichlorodifluoromethane	75-71-8	NL	< 0.0013 UJ	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 UJ	< 0.0018 UJ	< 0.0011 U	< 0.0011 U	< 0.0016 UJ	< 0.0020 UJ	< 0.0012 U	< 0.0010 U	< 0.0013 U
Freon TF	76-13-1	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 UJ	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Isopropylbenzene	98-82-8	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 UJ	< 0.0013 UU
Methyl acetate	79-20-9	NL	< 0.0065 U	< 0.0059 U	< 0.0053 U	< 0.0054 U	< 0.0056 U	< 0.0048 U	< 0.0091 U	< 0.0057 U	< 0.0056 U	< 0.0078 U	< 0.0098 U	< 0.0058 U	< 0.0052 U	< 0.0067 U
Methylcyclohexane	108-87-2	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 UJ	< 0.0013 U
Methylene Chloride	75-09-2	100	< 0.0026 U	< 0.0024 U	< 0.0021 U	< 0.0022 U	< 0.0022 U	< 0.0019 U	< 0.0036 U	< 0.0023 U	< 0.0022 U	< 0.0031 U	< 0.0039 U	< 0.0023 U	< 0.0021 U	< 0.0027 U
MTBE	1634-04-4	100	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Styrene	100-42-5	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.00046 J**	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 UJ	< 0.0013 U
Tetrachloroethene	127-18-4	19	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	**0.0056**	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
trans-1,2-Dichloroethene	156-60-5	100	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
trans-1,3-Dichloropropene	10061-02-6	NL	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Trichloroethene	79-01-6	21	**0.0013**	< 0.0012 U	< 0.0011 U	**0.00036 J**	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Trichlorofluoromethane	75-69-4	NL	< 0.0013 UJ	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 UJ	< 0.0011 U	< 0.0011 U	< 0.0016 UJ	< 0.0020 UJ	< 0.0012 U	< 0.0010 U	< 0.0013 U
Vinyl chloride	75-01-4	0.9	< 0.0013 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00097 U	< 0.0018 U	< 0.0011 U	< 0.0011 U	< 0.0016 U	< 0.0020 U	< 0.0012 U	< 0.0010 U	< 0.0013 U
Total VOC	CALC-VOC	NL	**0.0123**	**0.0222 J**	**0.0272 J**	**0.00036 J**	**0.0514 J**	**0.01055 J**	< 0.0018 U	< 0.023 U	< 0.022 U	**0.024**	**0.034**	< 0.023 U	< 0.021 U	< 0.0013 U
Total BTEX+VOC	CALC-BTEX+VOC	NL	**0.0123**	**0.0222 J**	**0.0272 J**	**0.00036 J**	**0.0514 J**	**0.02507 J**	**0.00059 J**	< 0.023 U	< 0.022 U	**0.024**	**0.034**	< 0.023 U	< 0.021 U	**0.00251**

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results
VOC - Volatile Organic Compounds

Table 4-2
Summary of Analytical Results for VOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-207	SB-207	SB-207	SB-207	SB-208	SB-208	SB-208	SB-209	SB-209	SB-209	SB-210	SB-210	SB-210	SB-211	SB-211	SB-211
Property:			329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	DUPE-05-090121	SB-207(07-09)	DUPE-06-090721	SB-207(18-20)	SB-208(01-03)	SB-208(08-10)	SB-208(18-20)	SB-209(01-03)	SB-209(08-10)	SB-209(16-18)	SB-210(01-03)	SB-210(08-10)	SB-210(22-24)	SB-211(01-03)	SB-211(13-15)	SB-211(18-20)
Sample Date:			9/1/2021	9/7/2021	9/7/2021	9/7/2021	9/1/2021	9/2/2021	9/2/2021	8/23/2021	8/25/2021	8/25/2021	8/21/2021	8/28/2021	8/28/2021	8/21/2021	9/11/2021	9/11/2021
Depth Interval (ft bgs):			2-4 ft	7-9 ft	7-9 ft	18-20 ft	1-3 ft	8-10 ft	18-20 ft	1-3 ft	8-10 ft	16-18 ft	1-3 ft	8-10 ft	22-24 ft	1-3 ft	13-15 ft	18-20 ft
BTEX (mg/Kg)																		
Benzene	71-43-2	4.8	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Ethylbenzene	100-41-4	41	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
m&p-Xylene	1330-20-7-M,P	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	**0.00036 J**	< 0.0011 U	< 0.0012 U
o-Xylene	95-47-6	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 UJ	< 0.0011 UJ	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Total Xylenes	CALC-Xylenes	100	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 UJ	< 0.0011 UJ	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	**0.00036 J**	< 0.0011 U	< 0.0012 U
Toluene	108-88-3	100	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	**0.00041 J**	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	**0.00094 J**	**0.00026 J**	< 0.0012 U
Total BTEX	CALC-BTEX	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	**0.00041 J**	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	**0.0013 J**	**0.00026 J**	< 0.0012 U
VOCs (mg/Kg)																		
1,1,1,2-Tetrachloroethane	630-20-6	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	100	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,1,2-Trichloroethane	79-00-5	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,1-Dichloroethane	75-34-3	26	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,1-Dichloroethene	75-35-4	100	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,2,3-Trichlorobenzene	87-61-6	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,2,4-Trichlorobenzene	120-82-1	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,2-Dibromo-3-Chloropropane	96-12-8	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,2-Dibromoethane	106-93-4	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,2-Dichlorobenzene	95-50-1	100	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,2-Dichloroethane	107-06-2	3.1	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,2-Dichloropropane	78-87-5	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,3-Dichlorobenzene	541-73-1	49	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,4-Dichlorobenzene	106-46-7	13	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
1,4-Dioxane	123-91-1	NL	< 0.027 U	< 0.044 U	< 0.036 U	< 0.042 U	< 0.027 U	< 0.023 U	< 0.021 U	< 0.030 U	< 0.020 U	< 0.021 U	< 0.028 UJ	< 0.021 U	< 0.021 U	< 0.033 UJ	< 0.022 U	< 0.023 U
2-Butanone	78-93-3	100	< 0.0066 U	< 0.011 U	< 0.0091 U	< 0.010 U	< 0.0066 U	< 0.0057 U	< 0.0052 U	**0.0087**	< 0.0049 U	< 0.0053 U	< 0.0069 UJ	< 0.0052 U	< 0.0052 U	< 0.0083 UJ	< 0.0054 U	< 0.0058 U
2-Hexanone	591-78-6	NL	< 0.0066 U	< 0.011 U	< 0.0091 U	< 0.010 U	< 0.0066 U	< 0.0057 U	< 0.0052 U	< 0.0075 U	< 0.0049 U	< 0.0053 U	< 0.0069 UJ	< 0.0052 U	< 0.0052 U	< 0.0083 UJ	< 0.0054 U	< 0.0058 U
2-Methyl-2-propanol	75-65-0	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	NL	< 0.0066 U	< 0.011 U	< 0.0091 U	< 0.010 U	< 0.0066 U	< 0.0057 U	< 0.0052 U	< 0.0075 U	< 0.0049 U	< 0.0053 U	< 0.0069 UJ	< 0.0052 U	< 0.0052 U	< 0.0083 UJ	< 0.0054 U	< 0.0058 U
Acetone	67-64-1	100	< 0.0080 U	< 0.013 U	< 0.011 U	**0.017**	**0.031**	**0.0086**	**0.016**	**0.040**	< 0.0059 U	**0.013**	< 0.0083 UJ	< 0.0062 U	**0.0074**	**0.053 J**	< 0.0065 U	< 0.0070 U
Bromochloromethane	74-97-5	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Bromodichloromethane	75-27-4	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Bromoform	75-25-2	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Bromomethane	74-83-9	NL	< 0.0027 U	< 0.0044 U	< 0.0036 U	< 0.0042 U	< 0.0027 U	< 0.0023 U	< 0.0021 U	< 0.0030 U	< 0.0020 U	< 0.0021 U	< 0.0028 UJ	< 0.0021 U	< 0.0021 U	< 0.0033 UJ	< 0.0022 U	< 0.0023 U
Carbon disulfide	75-15-0	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	**0.00065 J**	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Carbon tetrachloride	56-23-5	2.4	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Chlorobenzene	108-90-7	100	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Chloroethane	75-00-3	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Chloroform	67-66-3	49	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Chloromethane	74-87-3	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
cis-1,2-Dichloroethene	156-59-2	100	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
cis-1,3-Dichloropropene	10061-01-5	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Cyclohexane	110-82-7	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Dibromochloromethane	124-48-1	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Dichlorodifluoromethane	75-71-8	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 UJ	< 0.00098 UJ	< 0.0011 UJ	< 0.0014 UJ	< 0.0010 UJ	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Freon TF	76-13-1	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Isopropylbenzene	98-82-8	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Methyl acetate	79-20-9	NL	< 0.0066 U	< 0.011 U	< 0.0091 U	< 0.010 U	< 0.0066 U	< 0.0057 U	< 0.0052 U	< 0.0075 U	< 0.0049 U	< 0.0053 U	< 0.0069 UJ	< 0.0052 U	< 0.0052 U	< 0.0083 UJ	< 0.0054 U	< 0.0058 U
Methylcyclohexane	108-87-2	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Methylene Chloride	75-09-2	100	< 0.0027 U	< 0.0044 U	< 0.0036 U	< 0.0042 U	< 0.0027 U	< 0.0023 U	< 0.0021 U	< 0.0030 U	< 0.0020 U	< 0.0021 U	< 0.0028 UJ	< 0.0021 U	< 0.0021 U	< 0.0033 UJ	**0.0033**	**0.0025**
MTBE	1634-04-4	100	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Styrene	100-42-5	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 UJ	< 0.0011 UJ	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Tetrachloroethene	127-18-4	19	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
trans-1,2-Dichloroethene	156-60-5	100	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
trans-1,3-Dichloropropene	10061-02-6	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 UJ	< 0.0011 UJ	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Trichloroethene	79-01-6	21	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	**0.0021 J**	< 0.0010 U	**0.00034 J**	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Trichlorofluoromethane	75-69-4	NL	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 UJ	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 UJ	< 0.0010 UJ	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Vinyl chloride	75-01-4	0.9	< 0.0013 U	< 0.0022 U	< 0.0018 U	< 0.0021 U	< 0.0013 U	< 0.0011 U	< 0.0010 U	< 0.0015 U	< 0.00098 U	< 0.0011 U	< 0.0014 UJ	< 0.0010 U	< 0.0010 U	< 0.0017 UJ	< 0.0011 U	< 0.0012 U
Total VOC	CALC-VOC	NL	< 0.027 U	< 0.044 U	< 0.036 U	**0.017**	**0.031**	**0.00925 J**	**0.016**	**0.0487 J**	< 0.020 U	**0.013**	**0.0021 J**	< 0.021 U	**0.00774**	**0.053 J**	**0.0033 J**	**0.0025**
Total BTEX+VOC	CALC-BTEX+VOC	NL	< 0.027 U	< 0.044 U	< 0.036 U	**0.017**	**0.031**	**0.00925 J**	**0.016**	**0.04911 J**	< 0.020 U	**0.013**	**0.0021 J**	< 0.021 U	**0.00774**	**0.0543 J**	**0.00356 J**	**0.0025**

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results
VOC - Volatile Organic Compounds

Table 4-2
Summary of Analytical Results for VOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-212	SB-212	SB-212	SB-213	SB-213	SB-213	SB-214	SB-214	SB-214	SB-215	SB-215	SB-215	SB-216	SB-217	SB-217
Property:			329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-212(01-03)	SB-212(12-14)	SB-212(17-19)	SB-213(02-04)	SB-213(08-10)	SB-213(18-20)	SB-214(02-04)	SB-214(06-08)	SB-214(18-20)	SB-215(03-05)	SB-215(12-14)	SB-215(21-23)	SB-216(18-20)	SB-217(03-05)	SB-217(06-08)
Sample Date:			8/24/2021	9/2/2021	9/2/2021	8/23/2021	8/25/2021	8/25/2021	8/24/2021	8/26/2021	8/26/2021	8/24/2021	8/26/2021	8/26/2021	9/7/2021	9/11/2021	9/11/2021
Depth Interval (ft bgs):			1-3 ft	12-14 ft	17-19 ft	2-4 ft	8-10 ft	18-20 ft	2-4 ft	6-8 ft	18-20 ft	3-5 ft	12-14 ft	21-23 ft	18-20 ft	3-5 ft	6-8 ft
BTEX (mg/Kg)																	
Benzene	71-43-2	4.8	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Ethylbenzene	100-41-4	41	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
m&p-Xylene	1330-20-7-M,P	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
o-Xylene	95-47-6	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 UJ	< 0.0011 UJ	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 UJ	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Total Xylenes	CALC-Xylenes	100	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 UJ	< 0.0011 UJ	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 UJ	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Toluene	108-88-3	100	< 0.0013 U	**0.00028 J**	**0.00035 J**	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Total BTEX	CALC-BTEX	NL	< 0.0013 U	**0.00028 J**	**0.00035 J**	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
VOCs (mg/Kg)																	
1,1,1,2-Tetrachloroethane	630-20-6	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	100	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,1,2-Trichloroethane	79-00-5	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,1-Dichloroethane	75-34-3	26	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,1-Dichloroethene	75-35-4	100	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,2,3-Trichlorobenzene	87-61-6	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,2,4-Trichlorobenzene	120-82-1	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,2-Dibromo-3-Chloropropane	96-12-8	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,2-Dibromoethane	106-93-4	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,2-Dichlorobenzene	95-50-1	100	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,2-Dichloroethane	107-06-2	3.1	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,2-Dichloropropane	78-87-5	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,3-Dichlorobenzene	541-73-1	49	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,4-Dichlorobenzene	106-46-7	13	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
1,4-Dioxane	123-91-1	NL	< 0.026 U	< 0.021 U	< 0.020 U	< 0.026 U	< 0.022 U	< 0.022 U	< 0.028 U	< 0.021 U	< 0.022 U	< 0.026 U	< 0.021 U	< 0.022 U	< 0.035 U	< 0.020 U	< 0.025 U
2-Butanone	78-93-3	100	< 0.0064 U	< 0.0052 U	< 0.0050 U	< 0.0065 U	< 0.0054 U	< 0.0055 U	< 0.0070 U	< 0.0052 U	< 0.0054 U	< 0.0064 U	< 0.0053 U	< 0.0055 U	< 0.0086 U	< 0.0050 U	< 0.0062 U
2-Hexanone	591-78-6	NL	< 0.0064 U	< 0.0052 U	< 0.0050 U	< 0.0065 U	< 0.0054 U	< 0.0055 U	< 0.0070 U	< 0.0052 U	< 0.0054 U	< 0.0064 U	< 0.0053 U	< 0.0055 U	< 0.0086 U	< 0.0050 U	< 0.0062 U
2-Methyl-2-propanol	75-65-0	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	NL	< 0.0064 U	< 0.0052 U	< 0.0050 U	< 0.0065 U	< 0.0054 U	< 0.0055 U	< 0.0070 U	< 0.0052 U	< 0.0054 U	< 0.0064 U	< 0.0053 U	< 0.0055 UJ	< 0.0086 U	< 0.0050 U	< 0.0062 U
Acetone	67-64-1	100	< 0.0077 U	**0.052**	**0.051**	**0.016**	< 0.0065 U	**0.0084**	**0.0090**	< 0.0063 U	< 0.0065 U	< 0.0077 U	< 0.0064 U	< 0.0066 U	< 0.010 U	< 0.0060 U	**0.0087**
Bromochloromethane	74-97-5	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Bromodichloromethane	75-27-4	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Bromoform	75-25-2	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Bromomethane	74-83-9	NL	< 0.0026 U	< 0.0021 U	< 0.0020 U	< 0.0026 U	< 0.0022 U	< 0.0022 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0035 U	< 0.0020 U	< 0.0025 U
Carbon disulfide	75-15-0	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	**0.00037 J**	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Carbon tetrachloride	56-23-5	2.4	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Chlorobenzene	108-90-7	100	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Chloroethane	75-00-3	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Chloroform	67-66-3	49	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Chloromethane	74-87-3	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
cis-1,2-Dichloroethene	156-59-2	100	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
cis-1,3-Dichloropropene	10061-01-5	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Cyclohexane	110-82-7	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Dibromochloromethane	124-48-1	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Dichlorodifluoromethane	75-71-8	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 UJ	< 0.0011 UJ	< 0.0011 UJ	< 0.0014 U	< 0.0010 UJ	< 0.0011 UJ	< 0.0013 UJ	< 0.0011 UJ	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Freon TF	76-13-1	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Isopropylbenzene	98-82-8	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Methyl acetate	79-20-9	NL	< 0.0064 U	< 0.0052 U	< 0.0050 U	< 0.0065 U	< 0.0054 U	< 0.0055 U	< 0.0070 U	< 0.0052 U	< 0.0054 U	< 0.0064 U	< 0.0053 U	< 0.0055 U	< 0.0086 U	< 0.0050 U	< 0.0062 U
Methylcyclohexane	108-87-2	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Methylene Chloride	75-09-2	100	< 0.0026 U	< 0.0021 U	< 0.0020 U	< 0.0026 U	< 0.0022 U	< 0.0022 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0035 U	**0.012**	**0.0058**
MTBE	1634-04-4	100	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Styrene	100-42-5	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 UJ	< 0.0011 UJ	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 UJ	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Tetrachloroethene	127-18-4	19	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
trans-1,2-Dichloroethene	156-60-5	100	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
trans-1,3-Dichloropropene	10061-02-6	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 UJ	< 0.0011 UJ	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 UJ	< 0.0011 U	< 0.0011 UJ	< 0.0017 U	< 0.0010 U	< 0.0012 U
Trichloroethene	79-01-6	21	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Trichlorofluoromethane	75-69-4	NL	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 UJ	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Vinyl chloride	75-01-4	0.9	< 0.0013 U	< 0.0010 U	< 0.0010 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0014 U	< 0.0010 U	< 0.0011 U	< 0.0013 U	< 0.0011 U	< 0.0011 U	< 0.0017 U	< 0.0010 U	< 0.0012 U
Total VOC	CALC-VOC	NL	< 0.026 U	**0.052**	**0.051 J**	**0.016**	< 0.022 U	**0.0084**	**0.009**	< 0.021 U	**0.00037 J**	< 0.026 U	< 0.021 U	< 0.022 U	< 0.035 U	**0.012**	**0.0145**
Total BTEX+VOC	CALC-BTEX+VOC	NL	< 0.026 U	**0.05228 J**	**0.05135 J**	**0.016**	< 0.022 U	**0.0084**	**0.009**	< 0.021 U	**0.00037 J**	< 0.026 U	< 0.021 U	< 0.022 U	< 0.035 U	**0.012**	**0.0145**

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results
VOC - Volatile Organic Compounds

Table 4-2
Summary of Analytical Results for VOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-217	SB-218	SB-218	SB-218	SB-219	SB-219	SB-219	TP-201	TP-202	TP-202
Property:			329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-217(16-18)	SB-218(02-04)	SB-218(10-12)	SB-218(15-17)	SB-219(01-03)	SB-219(13-15)	SB-219(18-20)	TP-201(06-07)	TP-202(01-03)	TP-202(05-06)
Sample Date:			9/11/2021	9/11/2021	9/11/2021	9/11/2021	9/11/2021	9/11/2021	9/11/2021	9/14/2021	9/15/2021	9/15/2021
Depth Interval (ft bgs):			16-18 ft	2-4 ft	10-12 ft	15-17 ft	1-3 ft	13-15 ft	18-20 ft	6-7 ft	1-3 ft	5-6 ft
BTEX (mg/Kg)												
Benzene	71-43-2	4.8	< 0.0011 U	**0.00045 J**	**0.0010 J**	< 0.0015 U	< 0.0017 U	< 0.0021 U	**0.0018 J**	< 0.0016 U	< 0.0020 U	< 0.0011 U
Ethylbenzene	100-41-4	41	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
m&p-Xylene	1330-20-7-M,P	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	**0.00056 J**	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
o-Xylene	95-47-6	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Total Xylenes	CALC-Xylenes	100	< 0.0011 U	< 0.0016 U	< 0.0016 U	**0.00056 J**	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Toluene	108-88-3	100	< 0.0011 U	**0.00043 J**	**0.00065 J**	< 0.0015 U	**0.00047 J**	< 0.0021 U	**0.0019 J**	< 0.0016 U	< 0.0020 U	< 0.0011 U
Total BTEX	CALC-BTEX	NL	< 0.0011 U	**0.00088 J**	**0.00165 J**	**0.00056 J**	**0.00047 J**	< 0.0021 U	**0.0037 J**	< 0.0016 U	< 0.0020 U	< 0.0011 U
VOCs (mg/Kg)												
1,1,1,2-Tetrachloroethane	630-20-6	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	100	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,1,2,2-Tetrachloroethane	79-34-5	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,1,2-Trichloroethane	79-00-5	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,1-Dichloroethane	75-34-3	26	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,1-Dichloroethene	75-35-4	100	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,2,3-Trichlorobenzene	87-61-6	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,2,4-Trichlorobenzene	120-82-1	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,2-Dibromo-3-Chloropropane	96-12-8	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,2-Dibromoethane	106-93-4	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,2-Dichlorobenzene	95-50-1	100	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,2-Dichloroethane	107-06-2	3.1	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,2-Dichloropropane	78-87-5	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,3-Dichlorobenzene	541-73-1	49	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,4-Dichlorobenzene	106-46-7	13	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
1,4-Dioxane	123-91-1	NL	< 0.023 U	< 0.031 U	< 0.032 U	< 0.029 U	< 0.033 U	< 0.042 U	< 0.053 U	< 0.031 U	< 0.040 U	< 0.022 U
2-Butanone	78-93-3	100	< 0.0057 U	< 0.0078 U	**0.0064 J**	< 0.0073 U	**0.0050 J**	**0.049**	**0.026**	< 0.0078 U	< 0.010 U	< 0.0055 U
2-Hexanone	591-78-6	NL	< 0.0057 U	< 0.0078 U	< 0.0079 U	< 0.0073 U	< 0.0083 U	< 0.011 U	< 0.013 U	< 0.0078 U	< 0.010 U	< 0.0055 U
2-Methyl-2-propanol	75-65-0	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	NL	< 0.0057 U	< 0.0078 U	< 0.0079 U	< 0.0073 U	< 0.0083 U	< 0.011 U	< 0.013 U	< 0.0078 U	< 0.010 U	< 0.0055 U
Acetone	67-64-1	100	< 0.0068 U	**0.018**	**0.048**	**0.033**	**0.041**	**0.31**	**0.24**	< 0.0094 U	< 0.012 U	< 0.0066 U
Bromochloromethane	74-97-5	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Bromodichloromethane	75-27-4	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Bromoform	75-25-2	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Bromomethane	74-83-9	NL	< 0.0023 U	< 0.0031 U	< 0.0032 U	< 0.0029 U	< 0.0033 U	< 0.0042 U	< 0.0053 U	< 0.0031 U	< 0.0040 U	< 0.0022 U
Carbon disulfide	75-15-0	NL	**0.00038 J**	< 0.0016 U	**0.00058 J+**	< 0.0015 U	< 0.0017 U	**0.00086 J**	**0.0014 J**	< 0.0016 U	< 0.0020 U	< 0.0011 U
Carbon tetrachloride	56-23-5	2.4	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Chlorobenzene	108-90-7	100	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Chloroethane	75-00-3	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Chloroform	67-66-3	49	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Chloromethane	74-87-3	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
cis-1,2-Dichloroethene	156-59-2	100	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
cis-1,3-Dichloropropene	10061-01-5	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Cyclohexane	110-82-7	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Dibromochloromethane	124-48-1	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Dichlorodifluoromethane	75-71-8	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Freon TF	76-13-1	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Isopropylbenzene	98-82-8	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Methyl acetate	79-20-9	NL	< 0.0057 U	< 0.0078 U	< 0.0079 U	< 0.0073 U	< 0.0083 U	< 0.011 U	< 0.013 U	< 0.0078 U	< 0.010 U	< 0.0055 U
Methylcyclohexane	108-87-2	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Methylene Chloride	75-09-2	100	< 0.0023 U	**0.018**	**0.0042**	**0.0053**	< 0.0033 U	**0.0087**	**0.022**	< 0.0031 U	< 0.0040 U	< 0.0022 U
MTBE	1634-04-4	100	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Styrene	100-42-5	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Tetrachloroethene	127-18-4	19	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	**0.00093 J**	**0.0024 J**	< 0.0016 U	< 0.0020 U	< 0.0011 U
trans-1,2-Dichloroethene	156-60-5	100	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
trans-1,3-Dichloropropene	10061-02-6	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Trichloroethene	79-01-6	21	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Trichlorofluoromethane	75-69-4	NL	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Vinyl chloride	75-01-4	0.9	< 0.0011 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0021 U	< 0.0027 U	< 0.0016 U	< 0.0020 U	< 0.0011 U
Total VOC	CALC-VOC	NL	**0.00038 J**	**0.036**	**0.05918 J**	**0.0383**	**0.046**	**0.36949 J**	**0.2918 J**	< 0.0016 U	< 0.0020 U	< 0.0011 U
Total BTEX+VOC	CALC-BTEX+VOC	NL	**0.00038 J**	**0.03688 J**	**0.06083 J**	**0.03886 J**	**0.04647 J**	**0.36949 J**	**0.2955 J**	< 0.031 U	< 0.040 U	< 0.022 U

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results
VOC - Volatile Organic Compounds

Table 4-3
Summary of Analytical Results for SVOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-06	SB-06	SB-06	SB-07	SB-07	SB-07	SB-08	SB-08	SB-08	SB-16	SB-16	SB-16	SB-22	SB-22	SB-22
Property:			329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:			SB-6 (4.5-5)011711	SB-6(50-52)011811	SB-6(66.5-69)011811	SB-7 (4.5-5)012011	SB-7 (51.5-54)012111	SB-7 (66.5-69)012011	SB-8 (3-5)021611	SB-8 (43-46)021611	SB-8 (56-59)021611	SB-16(4-5)012211	SB-16(47-50)012211	SB-16(68-70)012211	SB-22(1-2)062411	SB-22(82.5-85)062411	SB-22(92.5-95)062411
Sample Date:			1/17/2011	1/18/2011	1/18/2011	1/20/2011	1/20/2011	1/20/2011	2/16/2011	2/16/2011	2/16/2011	1/22/2011	1/22/2011	1/22/2011	7/6/2011	7/6/2011	7/6/2011
Depth Interval (ft bgs):			4.5 - 5 ft	50 - 52 ft	66.5 - 69 ft	4.5 - 5 ft	51.5 - 54 ft	66.5 - 69 ft	3 - 5 ft	43 - 46 ft	56 - 59 ft	4-5	47-50	68-70	1 - 2 ft	82.5 - 85 ft	92.5 - 95 ft
PAH (mg/Kg)																	
2-Methylnaphthalene	91-57-6	NL	< 0.41 U	**0.17 J**	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Acenaphthene	83-32-9	100	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Acenaphthylene	208-96-8	100	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Anthracene	120-12-7	100	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Benzo[a]anthracene	56-55-3	1	< 0.041 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.034 U	< 0.038 U	**0.023 J**	< 0.034 U	< 0.041 U	**0.053**	< 0.043 U	< 0.041 U
Benzo[a]pyrene	50-32-8	1	< 0.041 U	< 0.036 U	< 0.036 U	**0.059**	< 0.036 U	< 0.037 U	< 0.042 U	< 0.034 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.041 U	**0.042**	< 0.043 U	< 0.041 U
Benzo[b]fluoranthene	205-99-2	1	< 0.041 U	< 0.036 U	< 0.036 U	**0.065**	< 0.036 U	< 0.037 U	< 0.042 U	< 0.034 U	< 0.038 U	**0.029 J**	< 0.034 U	< 0.041 U	**0.042**	< 0.043 U	< 0.041 U
Benzo[g,h,i]perylene	191-24-2	100	< 0.41 U	< 0.36 U	< 0.36 U	**0.048 J**	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Benzo[k]fluoranthene	207-08-9	3.9	< 0.041 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.034 U	< 0.038 U	**0.024 J**	< 0.034 U	< 0.041 U	< 0.04 U	< 0.043 U	< 0.041 U
Chrysene	218-01-9	3.9	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	**0.073 J**	< 0.43 U	< 0.41 U
Dibenz(a,h)anthracene	53-70-3	0.33	< 0.041 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.034 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.041 U	< 0.04 U	< 0.043 U	< 0.041 U
Fluoranthene	206-44-0	100	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	**0.1 J**	< 0.43 U	< 0.41 U
Fluorene	86-73-7	100	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	< 0.041 U	< 0.036 U	< 0.036 U	**0.052**	< 0.036 U	< 0.037 U	< 0.042 U	< 0.034 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.041 U	**0.031 J**	< 0.043 U	< 0.041 U
Naphthalene	91-20-3	100	< 0.41 U	**0.18 J**	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Phenanthrene	85-01-8	100	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	**0.2 J**	< 0.43 U	< 0.41 U
Pyrene	129-00-0	100	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	**0.087 J**	< 0.43 U	< 0.41 U
Total PAH	CALC-PAH	NL	< 0.41 U	**0.35 J**	< 0.36 U	**0.224 J**	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	**0.076 J**	< 0.34 U	< 0.41 U	**0.628 J**	< 0.43 U	< 0.41 U
Other SVOCs (mg/Kg)																	
1,2,4,5-Tetrachlorobenzene	95-94-3	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
2,2'-oxybis[1-chloropropane]	108-60-1	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
2,3,4,6-Tetrachlorophenol	58-90-2	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
2,4,5-Trichlorophenol	95-95-4	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
2,4,6-Trichlorophenol	88-06-2	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
2,4-Dichlorophenol	120-83-2	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
2,4-Dimethylphenol	105-67-9	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
2,4-Dinitrophenol	51-28-5	NL	< 1.2 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.3 U	< 1 U	< 1.1 U	< 1.1 U	< 1 U	< 1.2 U	< 1.2 U	R	< 1.2 U
2,4-Dinitrotoluene	121-14-2	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.077 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.083 U
2,6-Dinitrotoluene	606-20-2	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.077 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.083 U
2-Chloronaphthalene	91-58-7	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
2-Chlorophenol	95-57-8	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
2-Methylphenol	95-48-7	100	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
2-Nitroaniline	88-74-4	NL	< 0.83 U	< 0.72 U	< 0.72 U	< 0.71 U	< 0.74 U	< 0.76 U	< 0.85 U	< 0.7 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.83 U	< 0.82 U	< 0.86 U	< 0.83 U
2-Nitrophenol	88-75-5	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
3,3'-Dichlorobenzidine	91-94-1	NL	< 0.83 U	< 0.72 U	< 0.72 U	< 0.71 U	< 0.74 U	< 0.76 U	< 0.85 U	< 0.7 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.83 U	< 0.82 U	< 0.86 U	< 0.83 U
3-Nitroaniline	99-09-2	NL	< 0.83 U	< 0.72 U	< 0.72 U	< 0.71 U	< 0.74 U	< 0.76 U	< 0.85 U	< 0.7 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.83 U	< 0.82 U	< 0.86 U	< 0.83 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	< 1.2 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.3 U	< 1 U	< 1.1 U	< 1.1 U	< 1 U	< 1.2 U	< 1.2 U	< 1.3 U	< 1.2 U
4-Bromophenyl phenyl ether	101-55-3	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
4-Chloro-3-methylphenol	59-50-7	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
4-Chloroaniline	106-47-8	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
4-Methylphenol	106-44-5	100	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
4-Nitroaniline	100-01-6	NL	< 0.83 U	< 0.72 U	< 0.72 U	< 0.71 U	< 0.74 U	< 0.76 U	< 0.85 U	< 0.7 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.83 U	< 0.82 U	< 0.86 U	< 0.83 U
4-Nitrophenol	100-02-7	NL	< 1.2 UJ	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 UJ	< 1.1 U	< 1.3 U	< 1 U	< 1.1 U	< 1.1 U	< 1 U	< 1.2 U	< 1.2 U	< 1.3 U	< 1.2 U
Acetophenone	98-86-2	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Atrazine	1912-24-9	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Benzaldehyde	100-52-7	NL	< 0.41 U	< 0.36 UJ	< 0.36 U	< 0.35 UJ	< 0.36 UJ	< 0.37 UJ	< 0.42 UJ	< 0.34 UJ	< 0.38 UJ	< 0.35 UJ	< 0.34 UJ	< 0.41 UJ	< 0.4 UJ	< 0.43 UJ	< 0.41 UJ
Bis(2-chloroethoxy)methane	111-91-1	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Bis(2-chloroethyl)ether	111-44-4	NL	< 0.041 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.034 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.041 U	< 0.04 U	< 0.043 U	< 0.041 U
Bis(2-ethylhexyl) phthalate	117-81-7	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	**0.85**	< 0.43 U	< 0.41 U
Butyl benzyl phthalate	85-68-7	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	**0.12 J**	< 0.43 U	< 0.41 U
Caprolactam	105-60-2	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Carbazole	86-74-8	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Dibenzofuran	132-64-9	59	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Diethyl phthalate	84-66-2	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Dimethyl phthalate	131-11-3	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Di-n-butyl phthalate	84-74-2	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Di-n-octyl phthalate	117-84-0	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Diphenyl	92-52-4	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Hexachlorobenzene	118-74-1	1.2	< 0.041 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.034 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.041 U	< 0.04 U	< 0.043 U	< 0.041 U
Hexachlorobutadiene	87-68-3	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.077 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.083 U
Hexachlorocyclopentadiene	77-47-4	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Hexachloroethane	67-72-1	NL	< 0.041 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.034 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.041 U	< 0.04 U	< 0.043 U	< 0.041 U
Isophorone	78-59-1	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Nitrobenzene	98-95-3	NL	< 0.041 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 UJ	< 0.034 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.041 U	< 0.04 U	< 0.043 U	< 0.041 U
N-Nitrosodi-n-propylamine	621-64-7	NL	< 0.041 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.034 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.041 U	< 0.04 U	< 0.043 U	< 0.041 U
N-Nitrosodiphenylamine	86-30-6	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Pentachlorophenol	87-86-5	6.7	< 1.2 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.3 U	< 1 U	< 1.1 U	< 1.1 U	< 1 U	< 1.2 U	< 1.2 U	< 1.3 U	< 1.2 U
Phenol	108-95-2	100	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	< 0.4 U	< 0.43 U	< 0.41 U
Total SVOC	CALC-SVOC	NL	< 0.41 U	< 0.36 U	< 0.36 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	< 0.35 U	< 0.34 U	< 0.41 U	**0.97 J**	< 0.43 U	< 0.41 U
Total PAH+Other SVOC	CALC-PAHS+SVOC	NL	< 0.41 U	**0.35 J**	< 0.36 U	**0.224 J**	< 0.36 U	< 0.37 U	< 0.42 U	< 0.34 U	< 0.38 U	**0.076 J**	< 0.34 U	< 0.41 U	**1.598 J**	< 0.43 U	< 0.41 U

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

SVOC - Semivolatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbon

Table 4-3
Summary of Analytical Results for SVOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-23	SB-23	SB-201	SB-201	SB-201	SB-201	SB-201	SB-202	SB-202	SB-202	SB-202	SB-203	SB-203	SB-203	SB-203
Property:		NYSDEC PART	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	375-6	SB-23(77.5-80)062411	SB-23(92.5-95)062411	SB-201(02-04)	SB-201(08-10)	DUPE-04-082921	SB-201(23-25)	SB-201(48-50)	SB-202(03-05)	SB-202(13-15)	SB-202(17-19)	SB-202(47.5-49.5)	SB-203(03-05)	SB-203(08-10)	SB-203(18-24)	DUPE-02-082821
Sample Date:		RESTRICTED-RES	7/13/2011	7/13/2011	8/21/2021	8/29/2021	8/29/2021	8/30/2021	8/30/2021	8/21/2021	8/31/2021	8/31/2021	8/31/2021	8/21/2021	8/28/2021	8/28/2021	8/28/2021
Depth Interval (ft bgs):			77.5 - 80 ft	92.5 - 95 ft	2-4 ft	8-10 ft	8-10 ft	23-25 ft	48-50 ft	3-5 ft	13-15 ft	17-19 ft	47.5-49.5 ft	3-5 ft	8-10 ft	18-24 ft	18-24 ft
PAH (mg/Kg)																	
2-Methylnaphthalene	91-57-6	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Acenaphthene	83-32-9	100	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Acenaphthylene	208-96-8	100	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 U	**0.023 J**	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Anthracene	120-12-7	100	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	**0.021 J**	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Benzo[a]anthracene	56-55-3	1	< 0.037 U	< 0.042 U	**0.028 J**	< 0.035 U	**0.014 J**	< 0.036 U	< 0.035 UJ	**0.15**	< 0.035 U	< 0.035 U	< 0.034 U	**0.017 J**	< 0.035 U	< 0.035 U	< 0.035 U
Benzo[a]pyrene	50-32-8	1	< 0.037 U	< 0.042 U	**0.031 J**	< 0.035 U	< 0.035 U	< 0.036 U	< 0.035 UJ	**0.19**	< 0.035 U	< 0.035 U	< 0.034 U	**0.011 J**	< 0.035 U	< 0.035 U	< 0.035 U
Benzo[b]fluoranthene	205-99-2	1	< 0.037 U	< 0.042 U	**0.041**	< 0.035 U	**0.012 J**	< 0.036 U	< 0.035 UJ	**0.25**	< 0.035 U	< 0.035 U	< 0.034 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.035 U
Benzo[g,h,i]perylene	191-24-2	100	< 0.37 U	< 0.42 U	**0.017 J**	**0.010 J**	**0.017 J**	< 0.36 U	< 0.35 U	**0.12 J**	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Benzo[k]fluoranthene	207-08-9	3.9	< 0.037 U	< 0.042 U	**0.017 J**	< 0.035 U	< 0.035 U	< 0.036 U	< 0.035 UJ	**0.092**	< 0.035 U	< 0.035 U	< 0.034 U	**0.011 J**	< 0.035 U	< 0.035 U	< 0.035 U
Chrysene	218-01-9	3.9	< 0.37 U	< 0.42 U	**0.024 J**	< 0.35 U	**0.014 J**	< 0.36 U	< 0.35 UJ	**0.16 J**	< 0.35 U	< 0.35 U	< 0.34 U	**0.0090 J**	< 0.35 U	< 0.35 U	< 0.35 U
Dibenz(a,h)anthracene	53-70-3	0.33	< 0.037 U	< 0.042 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.036 U	< 0.035 U	**0.029 J**	< 0.035 U	< 0.035 U	< 0.034 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.035 U
Fluoranthene	206-44-0	100	< 0.37 U	< 0.42 U	**0.030 J**	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	**0.25 J**	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Fluorene	86-73-7	100	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	< 0.037 U	< 0.042 U	**0.023 J**	< 0.035 U	< 0.035 U	< 0.036 U	< 0.035 U	**0.14**	< 0.035 U	< 0.035 U	< 0.034 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.035 U
Naphthalene	91-20-3	100	< 0.37 U	< 0.42 U	**0.0088 J**	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	**0.025 J**	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Phenanthrene	85-01-8	100	< 0.37 U	< 0.42 U	< 0.40 U	**0.0069 J**	**0.013 J**	< 0.36 U	< 0.35 UJ	**0.15 J**	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Pyrene	129-00-0	100	< 0.37 U	< 0.42 U	**0.030 J**	**0.012 J**	**0.015 J**	< 0.36 U	< 0.35 UJ	**0.24 J**	< 0.35 U	< 0.35 U	< 0.34 U	**0.011 J**	< 0.35 U	< 0.35 U	< 0.35 U
Total PAH	CALC-PAH	NL	< 0.37 U	< 0.42 U	**0.2498 J**	**0.0289 J**	**0.085 J**	< 0.36 U	< 0.35 UJ	**1.84 J**	< 0.35 U	< 0.35 U	< 0.34 U	**0.059 J**	< 0.35 U	< 0.35 U	< 0.35 U
Other SVOCs (mg/Kg)																	
1,2,4,5-Tetrachlorobenzene	95-94-3	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
2,2'-oxybis[1-chloropropane]	108-60-1	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
2,3,4,6-Tetrachlorophenol	58-90-2	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
2,4,5-Trichlorophenol	95-95-4	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
2,4,6-Trichlorophenol	88-06-2	NL	< 0.37 U	< 0.42 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 UJ	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U
2,4-Dichlorophenol	120-83-2	NL	< 0.37 U	< 0.42 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 UJ	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U
2,4-Dimethylphenol	105-67-9	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
2,4-Dinitrophenol	51-28-5	NL	< 1.1 U	< 1.3 U	< 0.32 U	< 0.28 U	< 0.28 U	< 0.29 U	< 0.28 UJ	< 0.32 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.32 U	< 0.28 U	< 0.28 U	< 0.28 U
2,4-Dinitrotoluene	121-14-2	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 UJ	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
2,6-Dinitrotoluene	606-20-2	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 UJ	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
2-Chloronaphthalene	91-58-7	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
2-Chlorophenol	95-57-8	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
2-Methylphenol	95-48-7	100	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
2-Nitroaniline	88-74-4	NL	< 0.76 U	< 0.86 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
2-Nitrophenol	88-75-5	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
3,3'-Dichlorobenzidine	91-94-1	NL	< 0.76 U	< 0.86 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U
3-Nitroaniline	99-09-2	NL	< 0.76 U	< 0.86 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	< 1.1 U	< 1.3 U	< 0.32 U	< 0.28 U	< 0.28 U	< 0.29 U	< 0.28 UJ	< 0.32 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.32 U	< 0.28 U	< 0.28 U	< 0.28 U
4-Bromophenyl phenyl ether	101-55-3	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
4-Chloro-3-methylphenol	59-50-7	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
4-Chloroaniline	106-47-8	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
4-Methylphenol	106-44-5	100	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
4-Nitroaniline	100-01-6	NL	< 0.76 U	< 0.86 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
4-Nitrophenol	100-02-7	NL	< 1.1 U	< 1.3 U	< 0.81 U	< 0.70 U	< 0.70 U	< 0.73 U	< 0.71 U	< 0.80 U	< 0.71 U	< 0.70 U	< 0.70 U	< 0.81 U	< 0.70 U	< 0.71 U	< 0.71 U
Acetophenone	98-86-2	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Atrazine	1912-24-9	NL	< 0.37 U	< 0.42 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U
Benzaldehyde	100-52-7	NL	< 0.37 UJ	< 0.42 UJ	< 0.40 UJ	< 0.35 UJ	< 0.35 UJ	< 0.36 UJ	< 0.35 UJ	< 0.39 UJ	< 0.35 UJ	< 0.35 UJ	< 0.34 UJ	< 0.40 UJ	< 0.35 UJ	< 0.35 UJ	< 0.35 U
Bis(2-chloroethoxy)methane	111-91-1	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Bis(2-chloroethyl)ether	111-44-4	NL	< 0.037 U	< 0.042 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.036 U	< 0.035 UJ	< 0.039 U	< 0.035 U	< 0.035 U	< 0.034 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.035 U
Bis(2-ethylhexyl) phthalate	117-81-7	NL	< 0.37 U	< 0.42 U	< 0.40 U	**0.070 J**	**0.065 J**	< 0.36 U	< 0.35 UJ	< 0.39 U	**0.049 J**	**0.37**	< 0.34 U	< 0.40 U	< 0.35 U	**0.21 J**	**0.23 J**
Butyl benzyl phthalate	85-68-7	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Caprolactam	105-60-2	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Carbazole	86-74-8	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Dibenzofuran	132-64-9	59	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	**0.0064 J**	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Diethyl phthalate	84-66-2	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Dimethyl phthalate	131-11-3	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Di-n-butyl phthalate	84-74-2	NL	< 0.37 U	< 0.42 U	< 0.40 U	**0.30 J**	**0.31 J**	**0.6**	**0.48**	< 0.39 U	**0.36**	**0.44**	**0.69**	< 0.40 U	**0.14 J**	**0.46**	**0.060 J**
Di-n-octyl phthalate	117-84-0	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Diphenyl	92-52-4	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Hexachlorobenzene	118-74-1	1.2	< 0.037 U	< 0.042 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.036 U	< 0.035 U	< 0.039 U	< 0.035 U	< 0.035 U	< 0.034 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.035 U
Hexachlorobutadiene	87-68-3	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 UJ	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Hexachlorocyclopentadiene	77-47-4	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 U	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Hexachloroethane	67-72-1	NL	< 0.037 U	< 0.042 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.036 U	< 0.035 UJ	< 0.039 U	< 0.035 U	< 0.035 U	< 0.034 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.035 U
Isophorone	78-59-1	NL	< 0.37 U	< 0.42 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 UJ	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U
Nitrobenzene	98-95-3	NL	< 0.037 U	< 0.042 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.036 U	< 0.035 UJ	< 0.039 U	< 0.035 U	< 0.035 U	< 0.034 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.035 U
N-Nitrosodi-n-propylamine	621-64-7	NL	< 0.037 U	< 0.042 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.036 U	< 0.035 UJ	< 0.039 U	< 0.035 U	< 0.035 U	< 0.034 U	< 0.040 U	< 0.035 U	< 0.035 U	< 0.035 U
N-Nitrosodiphenylamine	86-30-6	NL	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Pentachlorophenol	87-86-5	6.7	< 1.1 U	< 1.3 U	< 0.32 UJ	< 0.28 U	< 0.28 U	< 0.29 U	< 0.28 U	< 0.32 UJ	< 0.28 U	< 0.28 U	< 0.28 U	< 0.32 UJ	< 0.28 U	< 0.28 U	< 0.28 U
Phenol	108-95-2	100	< 0.37 U	< 0.42 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.35 UJ	< 0.39 U	< 0.35 U	< 0.35 U	< 0.34 U	< 0.40 U	< 0.35 U	< 0.35 U	< 0.35 U
Total SVOC	CALC-SVOC	NL	< 0.37 U	< 0.42 U	< 0.40 U	**0.37 J**	**0.375 J**	**0.6**	**0.48**	**0.0064 J**	**0.409 J**	**0.81**	**0.69**	< 0.40 U	**0.14 J**	**0.67 J**	**0.29 J**
Total PAH+Other SVOC	CALC-PAHS+SVOC	NL	< 0.37 U	< 0.42 U	**0.2498 J**	**0.3989 J**	**0.460 J**	**0.6**	**0.48**	**1.8464 J**	**0.409 J**	**0.81**	**0.69**	**0.059 J**	**0.14 J**	**0.67 J**	**0.29 J**

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

SVOC - Semivolatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbon

Table 4-3
Summary of Analytical Results for SVOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-205	SB-205	SB-205	SB-206	SB-206	SB-206	SB-206	SB-207	SB-207
Property:		NYSDEC PART	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	375-6	SB-204(03-05)	SB-204(08-10)	DUPE-07-090821	SB-204(23-25)	SB-204(33-35)	SB-204(78-80)	SB-205(03-05)	SB-205(13-15)	SB-205(18-20)	SB-206(01-03)	DUPE-01-082321	SB-206(13-15)	SB-206(18-20)	SB-207(02-04)	DUPE-05-090121
Sample Date:		RESTRICTED-RES	8/23/2021	9/8/2021	9/8/2021	9/8/2021	9/8/2021	9/9/2021	8/23/2021	8/24/2021	8/24/2021	8/23/2021	8/23/2021	8/24/2021	8/24/2021	9/1/2021	9/1/2021
Depth Interval (ft bgs):			3-5 ft	8-10 ft	8-10 ft	23-25 ft	33-35 ft	78-80 ft	3-5 ft	13-15 ft	18-20 ft	1-3 ft	1-3 ft	13-15 ft	18-20 ft	2-4 ft	2-4 ft
PAH (mg/Kg)																	
2-Methylnaphthalene	91-57-6	NL	**0.013 J**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.14 J**	< 0.35 U	< 0.36 U	**0.034 J**	**0.056 J**	< 0.35 U	< 0.34 U	**0.076 J**	**21 J**
Acenaphthene	83-32-9	100	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.053 J**	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	**0.27 J**	**110 J**
Acenaphthylene	208-96-8	100	**0.14 J**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**1.2**	< 0.35 U	< 0.36 U	**0.090 J**	**0.037 J**	< 0.35 U	< 0.34 U	**0.11 J**	**1.2 J**
Anthracene	120-12-7	100	**0.11 J**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**1.3**	< 0.35 U	< 0.36 U	**0.071 J**	**0.042 J**	< 0.35 U	< 0.34 U	**0.32 J**	**110 J**
Benzo[a]anthracene	56-55-3	1	**0.77**	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	**10**	< 0.035 U	< 0.036 U	**0.51 J**	**0.20 J**	< 0.035 U	< 0.034 U	**1.1 J**	**190 J**
Benzo[a]pyrene	50-32-8	1	**0.88**	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	**12**	< 0.035 U	< 0.036 U	**0.66 J**	**0.23 J**	< 0.035 U	< 0.034 U	**1.1 J**	**170 J**
Benzo[b]fluoranthene	205-99-2	1	**1.2**	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	**15**	< 0.035 U	< 0.036 U	**0.82 J**	**0.33 J**	< 0.035 U	< 0.034 U	**1.4 J**	**220 J**
Benzo[g,h,i]perylene	191-24-2	100	**0.42**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**5.1**	< 0.35 U	< 0.36 U	**0.31 J**	**0.10 J**	< 0.35 U	< 0.34 U	**0.45 J**	**63 J**
Benzo[k]fluoranthene	207-08-9	3.9	**0.46**	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	**6**	< 0.035 U	< 0.036 U	**0.33 J**	**0.12 J**	< 0.035 U	< 0.034 U	**0.55 J**	**66 J**
Chrysene	218-01-9	3.9	**0.67**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**8.4**	< 0.35 U	< 0.36 U	**0.52**	**0.21 J**	< 0.35 U	< 0.34 UJ	**1.0 J**	**170 J**
Dibenz(a,h)anthracene	53-70-3	0.33	**0.13**	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	**1.8**	< 0.035 U	< 0.036 U	**0.11 J**	**0.033 J**	< 0.035 U	< 0.034 U	**0.14 J**	**20 J**
Fluoranthene	206-44-0	100	**0.97**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**11**	< 0.35 U	< 0.36 U	**0.52**	**0.27 J**	< 0.35 U	< 0.34 U	**1.9 J**	**430 J**
Fluorene	86-73-7	100	**0.014 J**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.16 J**	< 0.35 U	< 0.36 U	**0.015 J**	**0.016 J**	< 0.35 U	< 0.34 U	**0.17 J**	**65 J**
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	**0.52**	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	**6.7**	< 0.035 U	< 0.036 U	**0.39 J**	**0.12 J**	< 0.035 U	< 0.034 U	**0.54 J**	**81 J**
Naphthalene	91-20-3	100	**0.041 J**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.61**	< 0.35 U	< 0.36 U	**0.072 J**	**0.10 J**	< 0.35 U	< 0.34 U	**0.24 J**	**80 J**
Phenanthrene	85-01-8	100	**0.22 J**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**2.8**	< 0.35 U	< 0.36 U	**0.20 J**	**0.20 J**	< 0.35 U	< 0.34 U	**1.4 J**	**370 J**
Pyrene	129-00-0	100	**0.95**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**12**	< 0.35 U	< 0.36 U	**0.66**	**0.28 J**	< 0.35 U	< 0.34 U	**1.7 J**	**310 J**
Total PAH	CALC-PAH	NL	**7.508 J**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**94.263 J**	< 0.35 U	< 0.36 U	**5.312 J**	**2.344 J**	< 0.35 U	< 0.34 U	**12.466 J**	**2477.2 J**
Other SVOCs (mg/Kg)																	
1,2,4,5-Tetrachlorobenzene	95-94-3	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
2,2'-oxybis[1-chloropropane]	108-60-1	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
2,3,4,6-Tetrachlorophenol	58-90-2	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
2,4,5-Trichlorophenol	95-95-4	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
2,4,6-Trichlorophenol	88-06-2	NL	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.17 U	< 0.14 U	< 0.14 U	< 0.15 U	< 1.5 U
2,4-Dichlorophenol	120-83-2	NL	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.17 U	< 0.14 U	< 0.14 U	< 0.15 U	< 1.5 U
2,4-Dimethylphenol	105-67-9	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.032 J**	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	**0.63 J**
2,4-Dinitrophenol	51-28-5	NL	< 0.31 U	< 0.29 U	< 0.29 U	< 0.28 U	< 0.29 U	< 0.30 U	< 0.31 U	< 0.28 U	< 0.29 U	< 0.30 U	< 0.34 U	< 0.28 U	< 0.27 UJ	< 0.30 U	< 3.1 U
2,4-Dinitrotoluene	121-14-2	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.77 U
2,6-Dinitrotoluene	606-20-2	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 UJ	< 0.077 U	< 0.77 U
2-Chloronaphthalene	91-58-7	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	**0.039 J**	< 3.8 U
2-Chlorophenol	95-57-8	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
2-Methylphenol	95-48-7	100	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.038 J**	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	**0.56 J**
2-Nitroaniline	88-74-4	NL	< 0.38 U	< 0.37 UJ	< 0.36 UJ	< 0.34 UJ	< 0.36 UJ	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
2-Nitrophenol	88-75-5	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
3,3'-Dichlorobenzidine	91-94-1	NL	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.17 U	< 0.14 U	< 0.14 U	< 0.15 U	< 1.5 U
3-Nitroaniline	99-09-2	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	< 0.31 U	< 0.29 U	< 0.29 U	< 0.28 U	< 0.29 U	< 0.30 U	< 0.31 U	< 0.28 U	< 0.29 U	< 0.30 U	< 0.34 U	< 0.28 U	< 0.27 U	< 0.30 U	< 3.1 U
4-Bromophenyl phenyl ether	101-55-3	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
4-Chloro-3-methylphenol	59-50-7	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
4-Chloroaniline	106-47-8	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
4-Methylphenol	106-44-5	100	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.12 J**	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	**1.8 J**
4-Nitroaniline	100-01-6	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
4-Nitrophenol	100-02-7	NL	< 0.78 U	< 0.74 UJ	< 0.73 UJ	< 0.70 UJ	< 0.74 UJ	< 0.77 U	< 0.78 U	< 0.71 U	< 0.74 U	< 0.76 U	< 0.86 U	< 0.70 U	< 0.68 U	< 0.77 U	< 7.7 U
Acetophenone	98-86-2	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	**0.032 J**	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
Atrazine	1912-24-9	NL	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.17 U	< 0.14 U	< 0.14 U	< 0.15 U	< 1.5 U
Benzaldehyde	100-52-7	NL	< 0.38 UJ	< 0.37 UJ	< 0.36 UJ	< 0.34 UJ	< 0.36 UJ	< 0.38 UJ	< 0.38 UJ	< 0.35 UJ	< 0.36 UJ	< 0.37 UJ	< 0.42 UJ	< 0.35 UJ	< 0.34 UJ	< 0.38 UJ	< 3.8 UJ
Bis(2-chloroethoxy)methane	111-91-1	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
Bis(2-chloroethyl)ether	111-44-4	NL	< 0.038 U	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.035 U	< 0.034 U	< 0.038 U	< 0.38 U
Bis(2-ethylhexyl) phthalate	117-81-7	NL	< 0.38 U	**0.030 J**	**0.060 J**	< 0.34 U	**0.088 J**	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
Butyl benzyl phthalate	85-68-7	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
Caprolactam	105-60-2	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
Carbazole	86-74-8	NL	**0.030 J**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.27 J**	< 0.35 U	< 0.36 U	**0.023 J**	**0.021 J**	< 0.35 U	< 0.34 U	**0.18 J**	**62 J**
Dibenzofuran	132-64-9	59	**0.011 J**	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.18 J**	< 0.35 U	< 0.36 U	**0.013 J**	**0.020 J**	< 0.35 U	< 0.34 U	**0.096 J**	**37 J**
Diethyl phthalate	84-66-2	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
Dimethyl phthalate	131-11-3	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
Di-n-butyl phthalate	84-74-2	NL	< 0.38 U	**0.35 J**	**0.34 J**	**0.31 J**	**0.30 J**	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	**0.44**	**0.45 J**
Di-n-octyl phthalate	117-84-0	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
Diphenyl	92-52-4	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.031 J**	< 0.35 U	< 0.36 U	**0.0064 J**	**0.012 J**	< 0.35 U	< 0.34 U	**0.018 J**	**4.6**
Hexachlorobenzene	118-74-1	1.2	< 0.038 U	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.035 U	< 0.034 U	< 0.038 U	< 0.38 U
Hexachlorobutadiene	87-68-3	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.77 U
Hexachlorocyclopentadiene	77-47-4	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
Hexachloroethane	67-72-1	NL	< 0.038 U	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.035 U	< 0.034 U	< 0.038 U	< 0.38 U
Isophorone	78-59-1	NL	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.17 U	< 0.14 U	< 0.14 U	< 0.15 U	< 1.5 U
Nitrobenzene	98-95-3	NL	< 0.038 U	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.035 U	< 0.034 U	< 0.038 U	< 0.38 U
N-Nitrosodi-n-propylamine	621-64-7	NL	< 0.038 U	< 0.037 U	< 0.036 U	< 0.034 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.035 U	< 0.036 U	< 0.037 U	< 0.042 U	< 0.035 U	< 0.034 U	< 0.038 U	< 0.38 U
N-Nitrosodiphenylamine	86-30-6	NL	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	< 3.8 U
Pentachlorophenol	87-86-5	6.7	< 0.31 UJ	< 0.29 U	< 0.29 U	< 0.28 U	< 0.29 U	< 0.30 U	< 0.31 UJ	< 0.28 U	< 0.29 U	< 0.30 UJ	< 0.34 UJ	< 0.28 U	< 0.27 U	< 0.30 UJ	< 3.1 UJ
Phenol	108-95-2	100	< 0.38 U	< 0.37 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.38 U	**0.14 J**	< 0.35 U	< 0.36 U	< 0.37 U	< 0.42 U	< 0.35 U	< 0.34 U	< 0.38 U	**1.3 J**
Total SVOC	CALC-SVOC	NL	**0.041 J**	**0.38 J**	**0.40 J**	**0.31 J**	**0.388 J**	< 0.38 U	**0.811 J**	< 0.35 U	< 0.36 U	**0.0424 J**	**0.085 J**	< 0.35 U	< 0.34 U	**0.773 J**	**108.34 J**
Total PAH+Other SVOC	CALC-PAHS+SVOC	NL	**7.549 J**	**0.38 J**	**0.40 J**	**0.31 J**	**0.388 J**	< 0.38 U	**95.074 J**	< 0.35 U	< 0.36 U	**5.3544 J**	**2.429 J**	< 0.35 U	< 0.34 U	**13.239 J**	**2585.54 J**

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

SVOC - Semivolatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbon

Table 4-3
Summary of Analytical Results for SVOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-207	SB-207	SB-207	SB-208	SB-208	SB-208	SB-209	SB-209	SB-209	SB-210	SB-210	SB-210	SB-211	SB-211	SB-211	SB-212
Property:		NYSDEC PART	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	375-6	DUPE-06-090721	SB-207(07-09)	SB-207(18-20)	SB-208(01-03)	SB-208(08-10)	SB-208(18-20)	SB-209(01-03)	SB-209(08-10)	SB-209(16-18)	SB-210(01-03)	SB-210(08-10)	SB-210(22-24)	SB-211(01-03)	SB-211(13-15)	SB-211(18-20)	SB-212(01-03)
Sample Date:		RESTRICTED-RES	9/7/2021	9/7/2021	9/7/2021	9/1/2021	9/2/2021	9/2/2021	8/23/2021	8/25/2021	8/25/2021	8/21/2021	8/28/2021	8/28/2021	8/21/2021	9/11/2021	9/11/2021	8/24/2021
Depth Interval (ft bgs):			7-9 ft	7-9 ft	18-20 ft	1-3 ft	8-10 ft	18-20 ft	1-3 ft	8-10 ft	16-18 ft	1-3 ft	8-10 ft	22-24 ft	1-3 ft	13-15 ft	18-20 ft	1-3 ft
PAH (mg/Kg)																		
2-Methylnaphthalene	91-57-6	NL	< 0.35 U	< 0.35 U	< 0.35 U	**0.025 J**	< 0.35 U	**0.026 J**	**0.045 J**	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	**0.13 J**
Acenaphthene	83-32-9	100	< 0.35 U	< 0.35 U	**0.020 J**	**0.013 J**	< 0.35 U	< 0.34 U	**0.049 J**	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	**0.070 J**
Acenaphthylene	208-96-8	100	< 0.35 U	< 0.35 U	**0.0072 J**	**0.12 J**	< 0.35 U	< 0.34 U	**0.20 J**	< 0.34 U	< 0.37 U	**0.0093 J**	< 0.34 U	< 0.34 U	**0.010 J**	< 0.33 U	< 0.34 U	**0.72**
Anthracene	120-12-7	100	< 0.35 U	< 0.35 U	**0.034 J**	**0.062 J**	< 0.35 U	< 0.34 U	**0.13 J**	< 0.34 U	< 0.37 U	**0.013 J**	< 0.34 U	< 0.34 U	**0.020 J**	< 0.33 U	< 0.34 U	**0.85**
Benzo[a]anthracene	56-55-3	1	< 0.035 U	< 0.035 U	**0.1**	**0.33**	< 0.035 U	**0.013 J**	**0.49**	< 0.034 U	< 0.037 U	**0.1**	< 0.034 U	< 0.034 U	**0.088**	< 0.033 U	< 0.034 U	**4.5**
Benzo[a]pyrene	50-32-8	1	< 0.035 U	< 0.035 U	**0.1**	**0.44**	< 0.035 U	**0.010 J**	**0.58**	< 0.034 U	< 0.037 U	**0.16**	< 0.034 U	< 0.034 U	**0.096**	**0.012 J**	< 0.034 U	**4.4**
Benzo[b]fluoranthene	205-99-2	1	< 0.035 U	< 0.035 U	**0.12**	**0.63**	< 0.035 U	**0.013 J**	**0.79**	< 0.034 U	< 0.037 U	**0.2**	< 0.034 U	< 0.034 U	**0.12**	**0.0095 J**	< 0.034 U	**5.8**
Benzo[g,h,i]perylene	191-24-2	100	< 0.35 U	< 0.35 U	**0.065 J**	**0.31 J**	< 0.35 U	< 0.34 U	**0.30 J**	< 0.34 U	< 0.37 U	**0.12 J**	< 0.34 U	< 0.34 U	**0.057 J**	**0.37**	< 0.34 U	**1.8**
Benzo[k]fluoranthene	207-08-9	3.9	< 0.035 U	< 0.035 U	**0.046**	**0.21**	< 0.035 U	< 0.034 U	**0.24**	< 0.034 U	< 0.037 U	**0.082**	< 0.034 U	< 0.034 U	**0.042**	< 0.033 U	< 0.034 U	**2.2**
Chrysene	218-01-9	3.9	< 0.35 U	< 0.35 U	**0.12 J**	**0.4**	< 0.35 U	< 0.34 U	**0.51**	< 0.34 U	< 0.37 U	**0.11 J**	< 0.34 U	< 0.34 U	**0.084 J**	**0.0088 J**	< 0.34 U	**4.2**
Dibenz(a,h)anthracene	53-70-3	0.33	< 0.035 U	< 0.035 U	**0.020 J**	**0.086**	< 0.035 U	< 0.034 U	**0.096**	< 0.034 U	< 0.037 U	**0.030 J**	< 0.034 U	< 0.034 U	**0.018 J**	**0.2**	< 0.034 U	**0.67**
Fluoranthene	206-44-0	100	< 0.35 U	< 0.35 U	**0.23 J**	**0.54**	< 0.35 U	< 0.34 U	**0.75**	< 0.34 U	< 0.37 U	**0.12 J**	< 0.34 U	< 0.34 U	**0.14 J**	< 0.33 U	< 0.34 U	**9.7**
Fluorene	86-73-7	100	< 0.35 U	< 0.35 U	**0.019 J**	**0.020 J**	< 0.35 U	< 0.34 U	**0.056 J**	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	**0.27 J**
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	< 0.035 U	< 0.035 U	**0.07**	**0.33**	< 0.035 U	< 0.034 U	**0.33**	< 0.034 U	< 0.037 U	**0.13**	< 0.034 U	< 0.034 U	**0.067**	**0.29**	< 0.034 U	**2.4**
Naphthalene	91-20-3	100	< 0.35 U	< 0.35 U	**0.017 J**	**0.13 J**	< 0.35 U	< 0.34 U	**0.31 J**	< 0.34 U	< 0.37 U	**0.015 J**	< 0.34 U	< 0.34 U	**0.010 J**	< 0.33 U	< 0.34 U	**0.37 J**
Phenanthrene	85-01-8	100	< 0.35 U	< 0.35 U	**0.19 J**	**0.26 J**	< 0.35 U	< 0.34 U	**0.59**	< 0.34 U	< 0.37 U	**0.055 J**	< 0.34 U	< 0.34 U	**0.10 J**	**0.0090 J**	< 0.34 U	**7.1**
Pyrene	129-00-0	100	< 0.35 U	< 0.35 U	**0.22 J**	**0.55**	< 0.35 U	**0.012 J**	**0.79**	< 0.34 U	< 0.37 U	**0.15 J**	< 0.34 U	< 0.34 U	**0.15 J**	< 0.33 U	< 0.34 U	**7.8**
Total PAH	CALC-PAH	NL	< 0.35 U	< 0.35 U	**0.9422 J**	**0.94 J**	< 0.35 U	**0.074 J**	**6.256 J**	< 0.34 U	< 0.37 U	**1.2943 J**	< 0.34 U	< 0.34 U	**1.002 J**	**0.8993 J**	< 0.34 U	**52.98 J**
Other SVOCs (mg/Kg)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
2,2'-oxybis[1-chloropropane]	108-60-1	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
2,3,4,6-Tetrachlorophenol	58-90-2	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
2,4,5-Trichlorophenol	95-95-4	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
2,4,6-Trichlorophenol	88-06-2	NL	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.14 U	< 0.15 U
2,4-Dichlorophenol	120-83-2	NL	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.14 U	< 0.15 U
2,4-Dimethylphenol	105-67-9	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
2,4-Dinitrophenol	51-28-5	NL	< 0.28 U	< 0.28 U	< 0.28 U	< 0.30 U	< 0.28 U	< 0.28 U	< 0.29 U	< 0.28 U	< 0.30 U	< 0.32 U	< 0.28 U	< 0.28 U	< 0.31 U	< 0.27 U	< 0.27 U	< 0.31 U
2,4-Dinitrotoluene	121-14-2	NL	< 0.070 U	< 0.071 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
2,6-Dinitrotoluene	606-20-2	NL	< 0.070 U	< 0.071 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
2-Chloronaphthalene	91-58-7	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	**0.17 J**	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
2-Chlorophenol	95-57-8	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
2-Methylphenol	95-48-7	100	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
2-Nitroaniline	88-74-4	NL	< 0.35 UJ	< 0.35 UJ	< 0.35 UJ	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
2-Nitrophenol	88-75-5	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
3,3'-Dichlorobenzidine	91-94-1	NL	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.14 U	< 0.15 U
3-Nitroaniline	99-09-2	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	< 0.28 U	< 0.28 U	< 0.28 U	< 0.30 U	< 0.28 U	< 0.28 U	< 0.29 U	< 0.28 U	< 0.30 U	< 0.32 U	< 0.28 U	< 0.28 U	< 0.31 U	< 0.27 U	< 0.27 U	< 0.31 U
4-Bromophenyl phenyl ether	101-55-3	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
4-Chloro-3-methylphenol	59-50-7	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
4-Chloroaniline	106-47-8	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
4-Methylphenol	106-44-5	100	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	**0.050 J**
4-Nitroaniline	100-01-6	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
4-Nitrophenol	100-02-7	NL	< 0.70 UJ	< 0.71 UJ	< 0.71 UJ	< 0.75 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.69 U	< 0.75 U	< 0.80 U	< 0.70 U	< 0.69 U	< 0.78 U	< 0.67 U	< 0.68 U	< 0.77 U
Acetophenone	98-86-2	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	**0.019 J**
Atrazine	1912-24-9	NL	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.16 U	< 0.14 UU	< 0.14 U	< 0.15 U	< 0.13 U	< 0.14 U	< 0.15 U
Benzaldehyde	100-52-7	NL	< 0.35 UJ	< 0.35 UJ	< 0.35 UJ	< 0.37 UJ	< 0.35 UJ	< 0.34 UJ	< 0.36 UJ	< 0.34 UJ	< 0.37 UJ	< 0.40 UJ	< 0.34 UJ	< 0.34 UJ	< 0.38 UJ	< 0.33 UJ	< 0.34 UJ	< 0.38 UJ
Bis(2-chloroethoxy)methane	111-91-1	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
Bis(2-chloroethyl)ether	111-44-4	NL	< 0.035 U	< 0.035 U	< 0.035 U	< 0.037 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.034 U	< 0.037 U	< 0.040 U	< 0.034 U	< 0.034 U	< 0.038 U	< 0.033 U	< 0.034 U	< 0.038 U
Bis(2-ethylhexyl) phthalate	117-81-7	NL	**0.056 J**	**0.026 J**	**1.1**	**0.21 J**	< 0.35 U	**0.47**	< 0.36 U	< 0.34 U	**0.24 J**	< 0.40 U	< 0.34 U	**0.86**	**0.13 J**	**0.11 J**	< 0.34 U	**0.045 J**
Butyl benzyl phthalate	85-68-7	NL	< 0.35 U	< 0.35 U	< 0.35 U	**0.054 J**	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
Caprolactam	105-60-2	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
Carbazole	86-74-8	NL	< 0.35 U	< 0.35 U	**0.018 J**	**0.023 J**	< 0.35 U	< 0.34 U	**0.048 J**	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	**0.42**
Dibenzofuran	132-64-9	59	< 0.35 U	< 0.35 U	**0.015 J**	**0.013 J**	< 0.35 U	< 0.34 U	**0.038 J**	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	**0.4**
Diethyl phthalate	84-66-2	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
Dimethyl phthalate	131-11-3	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
Di-n-butyl phthalate	84-74-2	NL	**0.37**	**0.38**	**0.42**	**0.47**	**0.45**	**0.57**	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	**0.22 J**	**0.42**	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
Di-n-octyl phthalate	117-84-0	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
Diphenyl	92-52-4	NL	< 0.35 U	< 0.35 U	< 0.35 U	**0.0099 J**	< 0.35 U	< 0.34 U	**0.018 J**	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	**0.063 J**
Hexachlorobenzene	118-74-1	1.2	< 0.035 U	< 0.035 U	< 0.035 U	< 0.037 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.034 U	< 0.037 U	< 0.040 U	< 0.034 U	< 0.034 U	< 0.038 U	< 0.033 U	< 0.034 U	< 0.038 U
Hexachlorobutadiene	87-68-3	NL	< 0.070 U	< 0.071 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Hexachlorocyclopentadiene	77-47-4	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
Hexachloroethane	67-72-1	NL	< 0.035 U	< 0.035 U	< 0.035 U	< 0.037 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.034 U	< 0.037 U	< 0.040 U	< 0.034 U	< 0.034 U	< 0.038 U	< 0.033 U	< 0.034 U	< 0.038 U
Isophorone	78-59-1	NL	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.14 U	< 0.15 U
Nitrobenzene	98-95-3	NL	< 0.035 U	< 0.035 U	< 0.035 U	< 0.037 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.034 U	< 0.037 U	< 0.040 U	< 0.034 U	< 0.034 U	< 0.038 U	< 0.033 U	< 0.034 U	< 0.038 U
N-Nitrosodi-n-propylamine	621-64-7	NL	< 0.035 U	< 0.035 U	< 0.035 U	< 0.037 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.034 U	< 0.037 U	< 0.040 U	< 0.034 U	< 0.034 U	< 0.038 U	< 0.033 U	< 0.034 U	< 0.038 U
N-Nitrosodiphenylamine	86-30-6	NL	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	< 0.38 U
Pentachlorophenol	87-86-5	6.7	< 0.28 U	< 0.28 U	< 0.28 U	< 0.30 UJ	< 0.28 UJ	< 0.28 UJ	< 0.29 UJ	< 0.28 U	< 0.30 U	< 0.32 UJ	< 0.28 U	< 0.28 U	< 0.31 UJ	< 0.27 U	< 0.27 U	< 0.31 U
Phenol	108-95-2	100	< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.35 U	< 0.34 U	< 0.36 U	< 0.34 U	< 0.37 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.38 U	< 0.33 U	< 0.34 U	**0.045 J**
Total SVOC	CALC-SVOC	NL	**0.426 J**	**0.406 J**	**1.553 J**	**0.7799 J**	**0.45**	**1.04**	**0.274 J**	< 0.34 U	**0.24 J**	< 0.40 U	**0.22 J**	**0.42**	**0.13 J**	**0.11 J**	< 0.34 U	**1.042 J**
Total PAH+Other SVOC	CALC-PAHS+SVOC	NL	**0.426 J**	**0.406 J**	**2.4952 J**	**1.7199 J**	**0.45**	**1.114 J**	**6.53 J**	< 0.34 U	**0.24 J**	**1.2943 J**	**0.22 J**	**0.42**	**1.132 J**	**1.0093 J**	< 0.34 U	**54.022 J**

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

SVOC - Semivolatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbon

Table 4-3
Summary of Analytical Results for SVOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-212	SB-212	SB-213	SB-213	SB-213	SB-214	SB-214	SB-214	SB-215	SB-215	SB-215	SB-216	SB-217	SB-217	SB-217
Property:	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:			SB-212(12-14)	SB-212(17-19)	SB-213(02-04)	SB-213(08-10)	SB-213(18-20)	SB-214(02-04)	SB-214(06-08)	SB-214(18-20)	SB-215(03-05)	SB-215(12-14)	SB-215(21-23)	SB-216(18-20)	SB-217(03-05)	SB-217(06-08)	SB-217(16-18)
Sample Date:			9/2/2021	9/2/2021	8/23/2021	8/25/2021	8/25/2021	8/24/2021	8/26/2021	8/26/2021	8/24/2021	8/26/2021	8/26/2021	9/7/2021	9/11/2021	9/11/2021	9/11/2021
Depth Interval (ft bgs):			12-14 ft	17-19 ft	2-4 ft	8-10 ft	18-20 ft	2-4 ft	6-8 ft	18-20 ft	3-5 ft	12-14 ft	21-23 ft	18-20 ft	3-5 ft	6-8 ft	16-18 ft
PAH (mg/Kg)																	
2-Methylnaphthalene	91-57-6	NL	**0.025 J**	**0.017 J**	**0.043 J**	< 0.35 U	< 0.34 U	**0.054 J**	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Acenaphthene	83-32-9	100	< 0.38 U	< 0.38 U	**0.015 J**	< 0.35 U	< 0.34 U	**0.044 J**	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	**0.015 J**	< 0.35 U
Acenaphthylene	208-96-8	100	**0.029 J**	**0.037 J**	**0.38 J**	< 0.35 U	< 0.34 U	**0.064 J**	< 0.34 U	< 0.34 U	**0.012 J**	< 0.34 U	< 0.34 U	< 0.35 U	**0.012 J**	**0.0092 J**	< 0.35 U
Anthracene	120-12-7	100	**0.042 J**	**0.042 J**	**0.31 J**	< 0.35 U	< 0.34 U	**0.14 J**	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	**0.029 J**	**0.034 J**	< 0.35 U
Benzo[a]anthracene	56-55-3	1	**0.29**	**0.48**	**2.1**	< 0.035 U	< 0.034 U	**1**	< 0.034 U	< 0.034 U	**0.093**	< 0.034 U	< 0.034 U	**0.066**	**0.39**	**0.33**	< 0.035 U
Benzo[a]pyrene	50-32-8	1	**0.53**	**0.62**	**2.7**	< 0.035 U	< 0.034 U	**1.1**	< 0.034 U	< 0.034 U	**0.15**	< 0.034 U	< 0.034 U	**0.069**	**0.73**	**0.57**	< 0.035 U
Benzo[b]fluoranthene	205-99-2	1	**0.68**	**0.79**	**3.5**	< 0.035 U	< 0.034 U	**1.3**	< 0.034 U	< 0.034 U	**0.21**	< 0.034 U	< 0.034 U	**0.082**	**0.97**	**0.66**	< 0.035 U
Benzo[g,h,i]perylene	191-24-2	100	**0.43**	**0.5**	**1.4**	< 0.35 U	< 0.34 U	**0.61**	< 0.34 U	< 0.34 U	**0.11 J**	< 0.34 U	< 0.34 U	**0.047 J**	**0.48**	**0.53**	< 0.35 U
Benzo[k]fluoranthene	207-08-9	3.9	**0.22**	**0.34**	**1.5**	< 0.035 U	< 0.034 U	**0.49**	< 0.034 U	< 0.034 U	**0.065**	< 0.034 U	< 0.034 U	**0.028 J**	**0.35**	**0.3**	< 0.035 U
Chrysene	218-01-9	3.9	**0.31**	**0.46**	**2**	< 0.35 U	< 0.34 U	**1.1**	< 0.34 U	< 0.34 U	**0.12 J**	< 0.34 U	< 0.34 U	**0.065 J**	**0.41**	**0.33 J**	< 0.35 U
Dibenz(a,h)anthracene	53-70-3	0.33	**0.12**	**0.17**	**0.4**	< 0.035 U	< 0.034 U	**0.21**	< 0.034 U	< 0.034 U	**0.029 J**	< 0.034 U	< 0.034 U	< 0.035 U	**0.089**	**0.09**	< 0.035 U
Fluoranthene	206-44-0	100	**0.28 J**	**0.44**	**2.5**	< 0.35 U	< 0.34 U	**1.4**	< 0.34 U	< 0.34 U	**0.10 J**	< 0.34 U	< 0.34 U	**0.13 J**	**0.33 J**	**0.35 J**	< 0.35 U
Fluorene	86-73-7	100	< 0.38 U	< 0.38 U	**0.047 J**	< 0.35 U	< 0.34 U	**0.063 J**	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	**0.49**	**0.55**	**1.7**	< 0.035 U	< 0.034 U	**0.68**	< 0.034 U	< 0.034 U	**0.13**	< 0.034 U	< 0.034 U	**0.051**	**0.58**	**0.64**	< 0.035 U
Naphthalene	91-20-3	100	**0.029 J**	**0.048 J**	**0.15 J**	< 0.35 U	< 0.34 U	**0.090 J**	< 0.34 U	< 0.34 U	**0.022 J**	< 0.34 U	< 0.34 U	< 0.35 U	**0.013 J**	**0.017 J**	< 0.35 U
Phenanthrene	85-01-8	100	**0.14 J**	**0.11 J**	**0.64**	< 0.35 U	< 0.34 U	**0.92**	< 0.34 U	< 0.34 U	**0.050 J**	< 0.34 U	< 0.34 U	**0.067 J**	**0.096 J**	**0.14 J**	< 0.35 U
Pyrene	129-00-0	100	**0.30 J**	**0.47**	**2.6**	< 0.35 U	< 0.34 U	**2**	< 0.34 U	< 0.34 U	**0.13 J**	< 0.34 U	< 0.34 U	**0.13 J**	**0.30 J**	**0.31 J**	< 0.35 U
Total PAH	CALC-PAH	NL	**3.915 J**	**5.074 J**	**21.985 J**	< 0.35 U	< 0.34 U	**11.265 J**	< 0.34 U	< 0.34 U	**1.221 J**	< 0.34 U	< 0.34 U	**0.735 J**	**4.779 J**	**3.7552 J**	< 0.35 U
Other SVOCs (mg/Kg)																	
1,2,4,5-Tetrachlorobenzene	95-94-3	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
2,2'-oxybis[1-chloropropane]	108-60-1	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
2,3,4,6-Tetrachlorophenol	58-90-2	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
2,4,5-Trichlorophenol	95-95-4	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
2,4,6-Trichlorophenol	88-06-2	NL	< 0.15 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U
2,4-Dichlorophenol	120-83-2	NL	< 0.15 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U
2,4-Dimethylphenol	105-67-9	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
2,4-Dinitrophenol	51-28-5	NL	< 0.31 U	< 0.31 U	< 0.31 U	< 0.28 U	< 0.28 U	< 0.30 U	< 0.28 U	< 0.28 U	< 0.32 U	< 0.27 U	< 0.28 U	< 0.28 U	< 0.31 U	< 0.29 U	< 0.28 U
2,4-Dinitrotoluene	121-14-2	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
2,6-Dinitrotoluene	606-20-2	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
2-Chloronaphthalene	91-58-7	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
2-Chlorophenol	95-57-8	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
2-Methylphenol	95-48-7	100	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
2-Nitroaniline	88-74-4	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 UJ	< 0.38 U	< 0.36 U	< 0.35 U
2-Nitrophenol	88-75-5	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
3,3'-Dichlorobenzidine	91-94-1	NL	< 0.15 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U
3-Nitroaniline	99-09-2	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	< 0.31 U	< 0.31 U	< 0.31 U	< 0.28 U	< 0.28 U	< 0.30 U	< 0.28 U	< 0.28 U	< 0.32 U	< 0.27 U	< 0.28 U	< 0.28 U	< 0.31 U	< 0.29 U	< 0.28 U
4-Bromophenyl phenyl ether	101-55-3	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
4-Chloro-3-methylphenol	59-50-7	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
4-Chloroaniline	106-47-8	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
4-Methylphenol	106-44-5	100	< 0.38 U	< 0.38 U	**0.030 J**	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
4-Nitroaniline	100-01-6	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
4-Nitrophenol	100-02-7	NL	< 0.78 U	< 0.78 U	< 0.78 U	< 0.70 U	< 0.70 U	< 0.76 U	< 0.70 U	< 0.69 U	< 0.81 U	< 0.69 U	< 0.69 U	< 0.70 UJ	< 0.78 U	< 0.73 U	< 0.71 U
Acetophenone	98-86-2	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Atrazine	1912-24-9	NL	< 0.15 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U
Benzaldehyde	100-52-7	NL	< 0.38 UJ	< 0.38 UJ	< 0.39 UJ	< 0.35 UJ	< 0.34 UJ	< 0.37 UJ	< 0.34 UJ	< 0.34 UJ	< 0.40 UJ	< 0.34 UJ	< 0.34 UJ	< 0.35 UJ	< 0.38 UJ	< 0.36 UJ	< 0.35 UJ
Bis(2-chloroethoxy)methane	111-91-1	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Bis(2-chloroethyl)ether	111-44-4	NL	< 0.038 U	< 0.038 U	< 0.039 U	< 0.035 U	< 0.034 U	< 0.037 U	< 0.034 U	< 0.034 U	< 0.040 U	< 0.034 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.036 U	< 0.035 U
Bis(2-ethylhexyl) phthalate	117-81-7	NL	**0.20 J**	**0.15 J**	< 0.39 U	< 0.35 U	**0.10 J**	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	**0.082 J**	**0.24 J**	**0.15 J**	< 0.38 U	**0.21 J**	< 0.35 U
Butyl benzyl phthalate	85-68-7	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Caprolactam	105-60-2	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Carbazole	86-74-8	NL	< 0.38 U	< 0.38 U	**0.066 J**	< 0.35 U	< 0.34 U	**0.088 J**	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	**0.015 J**	< 0.35 U
Dibenzofuran	132-64-9	59	**0.011 J**	**0.0089 J**	**0.044 J**	< 0.35 U	< 0.34 U	**0.052 J**	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	**0.0079 J**	< 0.35 U
Diethyl phthalate	84-66-2	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Dimethyl phthalate	131-11-3	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Di-n-butyl phthalate	84-74-2	NL	**0.14 J**	**0.33 J**	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	**0.086 J**	**0.070 J**	< 0.40 U	**0.10 J**	**0.15 J**	**0.21 J**	< 0.38 U	< 0.36 U	< 0.35 U
Di-n-octyl phthalate	117-84-0	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Diphenyl	92-52-4	NL	< 0.38 U	< 0.38 U	**0.0089 J**	< 0.35 U	< 0.34 U	**0.012 J**	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Hexachlorobenzene	118-74-1	1.2	< 0.038 U	< 0.038 U	< 0.039 U	< 0.035 U	< 0.034 U	< 0.037 U	< 0.034 U	< 0.034 U	< 0.040 U	< 0.034 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.036 U	< 0.035 U
Hexachlorobutadiene	87-68-3	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Hexachlorocyclopentadiene	77-47-4	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Hexachloroethane	67-72-1	NL	< 0.038 U	< 0.038 U	< 0.039 U	< 0.035 U	< 0.034 U	< 0.037 U	< 0.034 U	< 0.034 U	< 0.040 U	< 0.034 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.036 U	< 0.035 U
Isophorone	78-59-1	NL	< 0.15 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.16 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U
Nitrobenzene	98-95-3	NL	< 0.038 U	< 0.038 U	< 0.039 U	< 0.035 U	< 0.034 U	< 0.037 U	< 0.034 U	< 0.034 U	< 0.040 U	< 0.034 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.036 U	< 0.035 U
N-Nitrosodi-n-propylamine	621-64-7	NL	< 0.038 U	< 0.038 U	< 0.039 U	< 0.035 U	< 0.034 U	< 0.037 U	< 0.034 U	< 0.034 U	< 0.040 U	< 0.034 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.036 U	< 0.035 U
N-Nitrosodiphenylamine	86-30-6	NL	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Pentachlorophenol	87-86-5	6.7	< 0.31 UJ	< 0.31 UJ	< 0.31 UJ	< 0.28 U	< 0.28 U	< 0.30 U	< 0.28 U	< 0.28 U	< 0.32 U	< 0.27 U	< 0.28 U	< 0.28 U	< 0.31 U	< 0.29 U	< 0.28 U
Phenol	108-95-2	100	< 0.38 U	< 0.38 U	< 0.39 U	< 0.35 U	< 0.34 U	< 0.37 U	< 0.34 U	< 0.34 U	< 0.40 U	< 0.34 U	< 0.34 U	< 0.35 U	< 0.38 U	< 0.36 U	< 0.35 U
Total SVOC	CALC-SVOC	NL	**0.351 J**	**0.4889 J**	**0.1489 J**	< 0.35 U	**0.10 J**	**0.152 J**	**0.086 J**	**0.070 J**	< 0.40 U	**0.182 J**	**0.39 J**	**0.36 J**	< 0.38 U	**0.2329 J**	< 0.35 U
Total PAH+Other SVOC	CALC-PAHS+SVOC	NL	**4.266 J**	**5.5629 J**	**22.1339 J**	< 0.35 U	**0.10 J**	**11.417 J**	**0.086 J**	**0.070 J**	**1.221 J**	**0.182 J**	**0.39 J**	**1.095 J**	**4.779 J**	**3.9881 J**	< 0.35 U

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

SVOC - Semivolatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbon

Table 4-3
Summary of Analytical Results for SVOCs in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-218	SB-218	SB-218	SB-219	SB-219	SB-219	TP-201	TP-202	TP-202
Property:			329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:			SB-218(02-04)	SB-218(10-12)	SB-218(15-17)	SB-219(01-03)	SB-219(13-15)	SB-219(18-20)	TP-201(06-07)	TP-202(01-03)	TP-202(05-06)
Sample Date:			9/11/2021	9/11/2021	9/11/2021	9/11/2021	9/11/2021	9/11/2021	9/14/2021	9/15/2021	9/15/2021
Depth Interval (ft bgs):			2-4 ft	10-12 ft	15-17 ft	1-3 ft	13-15 ft	18-20 ft	6-7 ft	1-3 ft	5-6 ft
PAH (mg/Kg)											
2-Methylnaphthalene	91-57-6	NL	**0.033 J**	**0.023 J**	**0.084 J**	**0.013 J**	**0.013 J**	< 0.50 U	**0.013 J**	**0.042 J**	**0.12 J**
Acenaphthene	83-32-9	100	**0.020 J**	**0.023 J**	**0.36**	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	**0.023 J**	**0.018 J**
Acenaphthylene	208-96-8	100	**0.15 J**	**0.029 J**	**0.0075 J**	**0.035 J**	**0.018 J**	**0.0079 J**	**0.0076 J**	**0.087 J**	**1.1**
Anthracene	120-12-7	100	**0.19 J**	**0.049 J**	**0.52**	**0.049 J**	**0.025 J**	< 0.50 U	**0.011 J**	**0.069 J**	**0.58**
Benzo[a]anthracene	56-55-3	1	**1.7**	**0.19**	**0.63**	**0.46**	**0.1**	**0.044 J**	**0.063**	**0.39**	**9.9**
Benzo[a]pyrene	50-32-8	1	**2.2**	**0.23**	**0.47**	**0.51**	**0.065**	**0.021 J**	**0.092**	**0.43**	**16**
Benzo[b]fluoranthene	205-99-2	1	**2.6**	**0.29**	**0.76**	**0.6**	**0.11**	**0.032 J**	**0.094**	**0.6**	**20**
Benzo[g,h,i]perylene	191-24-2	100	**0.88**	**0.30 J**	**0.13 J**	**0.20 J**	**0.066 J**	< 0.50 U	**0.10 J**	**0.31 J**	**9.3**
Benzo[k]fluoranthene	207-08-9	3.9	**1.1**	**0.11**	**0.3**	**0.23**	**0.048**	< 0.050 U	**0.034**	**0.24**	**7**
Chrysene	218-01-9	3.9	**1.6**	**0.19 J**	**0.52**	**0.52**	**0.18 J**	**0.095 J**	**0.070 J**	**0.46**	**8.4**
Dibenz(a,h)anthracene	53-70-3	0.33	**0.2**	**0.049**	**0.045**	**0.059**	< 0.037 U	< 0.050 U	**0.026 J**	**0.1**	**3.8**
Fluoranthene	206-44-0	100	**2.3**	**0.022 J**	**1.8**	**0.59**	**0.11 J**	**0.025 J**	**0.050 J**	**0.7**	**6.4**
Fluorene	86-73-7	100	**0.025 J**	**0.021 J**	**0.45**	**0.013 J**	< 0.37 U	< 0.50 U	< 0.34 U	**0.026 J**	**0.072 J**
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	**1.2**	**0.29**	**0.24**	**0.25**	**0.06**	< 0.050 U	**0.088**	**0.35**	**10**
Naphthalene	91-20-3	100	**0.10 J**	**0.038 J**	**0.074 J**	**0.025 J**	**0.026 J**	**0.018 J**	**0.025 J**	**0.12 J**	**0.53**
Phenanthrene	85-01-8	100	**0.54**	**0.17 J**	**2.3**	**0.23 J**	**0.11 J**	**0.023 J**	**0.039 J**	**0.34 J**	**0.83**
Pyrene	129-00-0	100	**2**	**0.27 J**	**1.2**	**0.64**	**0.16 J**	**0.036 J**	**0.087 J**	**0.69**	**7.5**
Total PAH	CALC-PAH	NL	**16.838 J**	**2.294 J**	**9.8905 J**	**4.424 J**	**1.091 J**	**0.3019 J**	**0.7996 J**	**4.977 J**	**101.55 J**
Other SVOCs (mg/Kg)											
1,2,4,5-Tetrachlorobenzene	95-94-3	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
2,2'-oxybis[1-chloropropane]	108-60-1	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
2,3,4,6-Tetrachlorophenol	58-90-2	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
2,4,5-Trichlorophenol	95-95-4	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
2,4,6-Trichlorophenol	88-06-2	NL	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.20 U	< 0.14 U	< 0.16 U	< 0.16 U
2,4-Dichlorophenol	120-83-2	NL	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.20 U	< 0.14 U	< 0.16 U	< 0.16 U
2,4-Dimethylphenol	105-67-9	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	**0.018 J**
2,4-Dinitrophenol	51-28-5	NL	< 0.30 U	< 0.30 U	< 0.28 U	< 0.30 U	< 0.30 U	< 0.40 U	< 0.28 U	< 0.32 U	< 0.31 U
2,4-Dinitrotoluene	121-14-2	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
2,6-Dinitrotoluene	606-20-2	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
2-Chloronaphthalene	91-58-7	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
2-Chlorophenol	95-57-8	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
2-Methylphenol	95-48-7	100	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	**0.019 J**
2-Nitroaniline	88-74-4	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 UJ	< 0.40 UJ	< 0.39 UJ
2-Nitrophenol	88-75-5	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
3,3'-Dichlorobenzidine	91-94-1	NL	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.20 U	< 0.14 U	< 0.16 U	< 0.16 U
3-Nitroaniline	99-09-2	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
4,6-Dinitro-2-methylphenol	534-52-1	NL	< 0.30 U	< 0.30 U	< 0.28 U	< 0.30 U	< 0.30 U	< 0.40 U	< 0.28 U	< 0.32 U	< 0.31 U
4-Bromophenyl phenyl ether	101-55-3	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
4-Chloro-3-methylphenol	59-50-7	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
4-Chloroaniline	106-47-8	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
4-Chlorophenyl phenyl ether	7005-72-3	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
4-Methylphenol	106-44-5	100	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	**0.056 J**
4-Nitroaniline	100-01-6	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
4-Nitrophenol	100-02-7	NL	< 0.76 U	< 0.74 U	< 0.71 U	< 0.76 U	< 0.76 U	< 1.0 U	< 0.70 U	< 0.81 U	< 0.78 U
Acetophenone	98-86-2	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Atrazine	1912-24-9	NL	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.20 U	< 0.14 U	< 0.16 U	< 0.16 U
Benzaldehyde	100-52-7	NL	< 0.37 UJ	< 0.37 UJ	< 0.35 UJ	< 0.38 UJ	< 0.37 UJ	< 0.50 UJ	< 0.34 UJ	< 0.40 UJ	< 0.39 UJ
Bis(2-chloroethoxy)methane	111-91-1	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Bis(2-chloroethyl)ether	111-44-4	NL	< 0.037 U	< 0.037 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.050 U	< 0.034 U	< 0.040 U	< 0.039 U
Bis(2-ethylhexyl) phthalate	117-81-7	NL	< 0.37 U	**0.052 J**	< 0.35 U	**0.21 J**	**0.32 J**	**0.66**	< 0.34 U	< 0.40 U	**0.068 J**
Butyl benzyl phthalate	85-68-7	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Caprolactam	105-60-2	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Carbazole	86-74-8	NL	**0.055 J**	< 0.37 U	**0.20 J**	**0.020 J**	< 0.37 U	< 0.50 U	< 0.34 U	**0.025 J**	**0.12 J**
Dibenzofuran	132-64-9	59	**0.029 J**	**0.013 J**	**0.30 J**	**0.011 J**	< 0.37 U	< 0.50 U	< 0.34 U	**0.027 J**	**0.12 J**
Diethyl phthalate	84-66-2	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Dimethyl phthalate	131-11-3	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Di-n-butyl phthalate	84-74-2	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Di-n-octyl phthalate	117-84-0	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Diphenyl	92-52-4	NL	**0.0082 J**	< 0.37 U	**0.034 J**	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	**0.012 J**	**0.029 J**
Hexachlorobenzene	118-74-1	1.2	< 0.037 U	< 0.037 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.050 U	< 0.034 U	< 0.040 U	< 0.039 U
Hexachlorobutadiene	87-68-3	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Hexachlorocyclopentadiene	77-47-4	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Hexachloroethane	67-72-1	NL	< 0.037 U	< 0.037 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.050 U	< 0.034 U	< 0.040 U	< 0.039 U
Isophorone	78-59-1	NL	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.20 U	< 0.14 U	< 0.16 U	< 0.16 U
Nitrobenzene	98-95-3	NL	< 0.037 U	< 0.037 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.050 U	< 0.034 U	< 0.040 U	< 0.039 U
N-Nitrosodi-n-propylamine	621-64-7	NL	< 0.037 U	< 0.037 U	< 0.035 U	< 0.038 U	< 0.037 U	< 0.050 U	< 0.034 U	< 0.040 U	< 0.039 U
N-Nitrosodiphenylamine	86-30-6	NL	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Pentachlorophenol	87-86-5	6.7	< 0.30 U	< 0.30 U	< 0.28 U	< 0.30 U	< 0.30 U	< 0.40 U	< 0.28 U	< 0.32 U	< 0.31 U
Phenol	108-95-2	100	< 0.37 U	< 0.37 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.50 U	< 0.34 U	< 0.40 U	< 0.39 U
Total SVOC	CALC-SVOC	NL	**0.0922 J**	**0.065 J**	**0.534 J**	**0.241 J**	**0.32 J**	**0.66**	< 0.34 U	**0.064 J**	**0.43 J**
Total PAH+Other SVOC	CALC-PAHS+SVOC	NL	**16.9302 J**	**2.359 J**	**10.4245 J**	**4.665 J**	**1.411 J**	**0.9619 J**	**0.7996 J**	**5.041 J**	**101.98 J**

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

SVOC - Semivolatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbon

Table 4-4
Summary of Analytical Results for Metals, Pesticides, Herbicides, PCBs, and Cyanide in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-06	SB-06	SB-06	SB-07	SB-07	SB-07	SB-08	SB-08	SB-08	SB-16	SB-16	SB-16	SB-22	SB-22	SB-22
Property:			329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-6 (4.5-5)011711	SB-6(50-52)011811	SB-6(66.5-69)011811	SB-7 (4.5-5)012011	SB-7 (51.5-54)012111	SB-7 (66.5-69)012011	SB-8 (3-5)021611	SB-8 (43-46)021611	SB-8 (56-59)021611	SB-16(4-5)012211	SB-16(47-50)012211	SB-16(68-70)012211	SB-22(1-2)062411	SB-22(82.5-85)062411	SB-22(92.5-95)062411
Sample Date:			1/17/2011	1/18/2011	1/18/2011	1/20/2011	1/20/2011	1/20/2011	2/16/2011	2/16/2011	2/16/2011	1/22/2011	1/22/2011	1/22/2011	7/6/2011	7/6/2011	7/6/2011
Depth Interval (ft bgs):			4.5 - 5 ft	50 - 52 ft	66.5 - 69 ft	4.5 - 5 ft	51.5 - 54 ft	66.5 - 69 ft	3 - 5 ft	43 - 46 ft	56 - 59 ft	4-5	47-50	68-70	1 - 2 ft	82.5 - 85 ft	92.5 - 95 ft
Metals (mg/Kg)																	
Aluminum	7429-90-5	NL	**15700**	**2050**	**2140**	**3530**	**1960**	**2230**	**8680**	**2340**	**1930**	**10000**	**3200**	**1910**	**12200**	**2300**	**1820**
Antimony	7440-36-0	NL	< 2.4 U	< 2.0 U	< 2.1 U	< 2.1 U	< 2.2 U	< 2.3 U	< 2.4 U	< 2.1 U	< 2.3 U	< 2.0 U	< 2.0 U	< 2.4 U	< 2.4 U	< 2.6 U	< 2.5 U
Arsenic	7440-38-2	16	**5.0**	**0.84 U**	< 1.0 U	**1.2**	< 1.1 U	< 1.1 U	**4.5**	< 1.0 U	< 1.1 U	**3.2**	**0.71 J**	< 1.2 U	**6.5**	**1.2 J**	< 1.2 U
Barium	7440-39-3	400	**49.4**	**12.3 J**	**11.7 J**	< 41.6 U	< 44.0 U	< 45.5 U	**62.1**	< 41.7 U	< 45.3 U	**41.9**	**20.0 J**	**16.1 J**	**69.2**	**16.6 J**	**16.3 J**
Beryllium	7440-41-7	72	**0.74**	< 0.40 U	< 0.41 U	< 0.42 U	< 0.44 U	< 0.46 U	**0.45 J**	< 0.42 U	< 0.45 U	**0.61**	**0.18 J**	< 0.48 U	**0.56**	< 0.52 U	< 0.49 U
Cadmium	7440-43-9	4.3	< 1.2 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.0 U	< 1.1 U	< 0.99 U	< 1.0 U	< 1.2 U	< 1.2 U	< 1.3 U	< 1.2 U
Calcium	7440-70-2	NL	**794 J**	**713 J**	**1020 J**	**614 J**	**725 J**	**3520**	**17100**	< 1040 U	< 1130 U	**3870**	**1260**	**4930**	**2780 J-**	**6730 J-**	**3580 J-**
Chromium	7440-47-3	180	**25.4**	**8.9**	**5.9**	**7.3**	**5.3**	**5.4**	**16.5**	**9.7**	**6.1**	**22.2**	**10.1**	**5.8**	**16.1**	**4.1**	**3.8**
Cobalt	7440-48-4	NL	**11.1 J**	**3.7 J**	**4.8 J**	**3.1 J**	**2.5 J**	**2.7 J**	**6.5 J**	**3.1 J**	**3.4 J**	**8.8 J**	**3.7 J**	**2.7 J**	**5.5 J**	**2.6 J**	**2.1 J**
Copper	7440-50-8	270	**16.1**	**8.1**	**6.4**	**10.5**	**5.6**	**4.7 J**	**28.8**	**7.4**	**7.1**	**20.1**	**7.7**	< 6.0 U	**13.4**	**6.5**	**5.0 J**
Iron	7439-89-6	NL	**27700**	**6190**	**7410**	**8530**	**5610**	**5500**	**15600**	**6140**	**6300**	**22900**	**7720**	**6020**	**19300**	**6070**	**4880**
Lead	7439-92-1	400	**12.2**	**2.4**	**3.0**	**4.7**	**2.6**	**2.9**	**70.4**	**3.3**	**2.9**	**12.3**	**4.2**	**3.6**	**64.7**	**2.2**	**1.7**
Magnesium	7439-95-4	NL	**3110**	**4010**	**1750**	**1580**	**1900 J+**	**2310 J+**	**3180**	**2400**	**3310**	**4290**	**2960**	**2470**	**1910 J+**	**3070 J+**	**2100 J+**
Manganese	7439-96-5	2000	**527**	**77.5**	**201**	**154 J+**	**67.9**	**580**	**253**	**187**	**67.0**	**624**	**230**	**352**	**294 J-**	**162 J-**	**144 J-**
Mercury	7439-97-6	0.81	**0.029 J**	< 0.033 U	< 0.032 U	< 0.032 U	< 0.036 U	< 0.038 U	**0.20**	< 0.034 U	< 0.036 U	< 0.033 U	< 0.034 U	< 0.038 U	**0.35**	< 0.043 U	< 0.036 U
Nickel	7440-02-0	310	**23.5**	**32.7**	**10.1**	**13.4**	**14.9**	**13.1**	**22.0**	**21.4**	**27.2**	**25.5**	**24.6**	**10.3**	**11.0 J+**	**6.8 J**	**5.7 J**
Potassium	7440-09-7	NL	**752 J**	**432 J**	**289 J**	**416 J**	**480 J**	**553 J**	**942 J**	**551 J**	**407 J**	**1540**	**885 J**	**512 J**	**484 J**	**190 J**	**196 J**
Selenium	7782-49-2	180	**2.6**	< 2.0 U	< 2.1 U	< 2.1 U	< 2.2 U	< 2.3 U	< 2.4 U	< 2.1 U	< 2.3 U	< 2.0 U	< 2.0 U	< 2.4 U	< 2.4 U	< 2.6 U	< 2.5 U
Silver	7440-22-4	180	< 2.4 U	< 2.0 U	< 2.1 U	< 2.1 U	< 2.2 U	< 2.3 U	< 2.4 U	< 2.1 U	< 2.3 U	< 2.0 U	< 2.0 U	< 2.4 U	**0.19 J**	< 2.6 U	< 2.5 U
Sodium	7440-23-5	NL	**686 J**	**195 J**	**109 J**	< 1040 U	< 1100 U	< 1140 U	**285 J**	**90.2 J**	**93.2 J**	**261 J**	**214 J**	**76.0 J**	**128 J**	**105 J**	< 1230 U
Thallium	7440-28-0	NL	< 2.4 U	< 2.0 U	< 2.1 U	< 2.1 U	< 2.2 U	< 2.3 U	< 2.4 U	< 2.1 U	< 2.3 U	< 2.0 U	< 2.0 U	< 2.4 U	< 2.4 U	< 2.6 U	< 2.5 U
Vanadium	7440-62-2	NL	**39.8**	**11.1**	**10.2 U**	**15.7**	**8.0 J**	**6.9 J**	**26.2**	**8.4 J**	**8.9 J**	**34.9**	**11.6**	**7.9 J**	**26.8**	**5.7 J**	**5.5 J**
Zinc	7440-66-6	10000	**38.8**	**14.1**	**13.6**	**18.6**	**11.1**	**12.7**	**54.5**	**12.8**	**12.3**	**54.8**	**16.5**	**11.5**	**38.7**	**13.1**	**8.8**
Cyanide (mg/Kg)																	
Cyanide, Amenable	57-12-5-AMEN	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	NS	NS	NS
Cyanide, Total	57-12-5	27	< 0.62 U	< 0.54 U	< 0.54 U	**0.21 J**	< 0.55 U	< 0.57 U	< 0.63 U	< 0.52 U	< 0.57 U	< 0.53 U	< 0.52 U	< 0.62 U	< 0.61 U	< 0.65 U	< 0.62 U
Cyanide, Free	57-12-5-F	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/Kg)																	
Aroclor 1016	12674-11-2	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Aroclor 1221	11104-28-2	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Aroclor 1232	11141-16-5	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Aroclor 1242	53469-21-9	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Aroclor 1248	12672-29-6	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Aroclor 1254	11097-69-1	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Aroclor 1260	11096-82-5	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Aroclor 1262	37324-23-5	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Aroclor 1268	11100-14-4	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Total PCB	CALC-PCB	1	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Pesticides (mg/Kg)																	
4,4'-DDD	72-54-8	13	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
4,4'-DDE	72-55-9	8.9	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
4,4'-DDT	50-29-3	7.9	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Aldrin	309-00-2	0.097	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
alpha-BHC	319-84-6	0.48	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
beta-BHC	319-85-7	0.36	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Chlordane	57-74-9	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.073 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
delta-BHC	319-86-8	100	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Dieldrin	60-57-1	0.2	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Endosulfan I	959-98-8	24	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Endosulfan II	33213-65-9	24	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Endosulfan sulfate	1031-07-8	24	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Endrin	72-20-8	11	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Endrin aldehyde	7421-93-4	NL	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Endrin ketone	53494-70-5	NL	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
gamma-BHC (Lindane)	58-89-9	1.3	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Heptachlor	76-44-8	2.1	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Heptachlor epoxide	1024-57-3	NL	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Methoxychlor	72-43-5	NL	< 0.0083 U	< 0.0072 U	< 0.0072 U	< 0.0071 U	< 0.0073 U	< 0.0076 U	< 0.0085 U	< 0.0070 U	< 0.0076 U	< 0.0071 U	< 0.0069 U	< 0.0083 U	< 0.0082 U	< 0.0086 U	< 0.0082 U
Toxaphene	8001-35-2	NL	< 0.083 U	< 0.072 U	< 0.072 U	< 0.071 U	< 0.073 U	< 0.076 U	< 0.085 U	< 0.07 U	< 0.076 U	< 0.071 U	< 0.069 U	< 0.083 U	< 0.082 U	< 0.086 U	< 0.082 U
Herbicides (mg/Kg)																	
Total Herbicides	93-76-5	NL	< 0.021 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.022 U	< 0.018 U	< 0.019 U	< 0.018 U	< 0.018 U	< 0.021 U	< 0.021 U	< 0.022 U	< 0.021 U
2,4,5-T	93-76-5	NL	< 0.021 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.022 U	< 0.018 U	< 0.019 U	< 0.018 U	< 0.018 U	< 0.021 U	< 0.021 U	< 0.022 U	< 0.021 U
2,4-D	94-75-7	NL	< 0.021 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.022 U	< 0.018 U	< 0.019 U	< 0.018 U	< 0.018 U	< 0.021 U	< 0.021 U	< 0.022 U	< 0.021 U
Picloram	1918-02-1	NL	< 0.021 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.022 U	< 0.018 U	< 0.019 U	< 0.018 U	< 0.018 U	< 0.021 U	NS	NS	NS
Silvex (2,4,5-TP)	93-72-1	100	< 0.021 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.022 U	< 0.018 U	< 0.019 U	< 0.018 U	< 0.018 U	< 0.021 U	< 0.021 U	< 0.022 U	< 0.021 U

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

Table 4-4
Summary of Analytical Results for Metals, Pesticides, Herbicides, PCBs, and Cyanide in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-23	SB-23	SB-201	SB-201	SB-201	SB-201	SB-201	SB-202	SB-202	SB-202	SB-202	SB-203	SB-203	SB-203	SB-203
Property:		NYSDEC PART	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	375-6	SB-23(77.5-80)062411	SB-23(92.5-95)062411	SB-201(02-04)	SB-201(08-10)	DUPE-04-082921	SB-201(23-25)	SB-201(48-50)	SB-202(03-05)	SB-202(13-15)	SB-202(17-19)	SB-202(47.5-49.5)	SB-203(03-05)	SB-203(08-10)	SB-203(18-24)	DUPE-02-082821
Sample Date:		RESTRICTED-RES	7/13/2011	7/13/2011	8/21/2021	8/29/2021	8/29/2021	8/30/2021	8/30/2021	8/21/2021	8/31/2021	8/31/2021	8/31/2021	8/21/2021	8/28/2021	8/28/2021	8/28/2021
Depth Interval (ft bgs):			77.5 - 80 ft	92.5 - 95 ft	2-4 ft	8-10 ft	8-10 ft	23-25 ft	48-50 ft	3-5 ft	13-15 ft	17-19 ft	47.5-49.5 ft	3-5 ft	8-10 ft	18-24 ft	18-24 ft
Metals (mg/Kg)																	
Aluminum	7429-90-5	NL	**1670**	**2040**	15200	8340	8330	5270	3050	13500	6970	8230	2860	14300	6630	6330	6110
Antimony	7440-36-0	NL	< 2.3 U	< 2.4 U	< 1.1 UJ	< 1.0 UJ	< 1.0 UJ	< 1.1 UJ	< 1.1 UJ	< 1.1 UJ	< 0.98 UJ	< 1.0 UJ	< 0.98 UJ	< 1.1 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
Arsenic	7440-38-2	16	**0.98 J**	**1.9**	6.6	2.7	3.1	1.9	0.88 J	6.7	2.3	2.5	0.87 J	4.7	2.0	2.1	2.3
Barium	7440-39-3	400	**11.3 J**	**16.7 J**	30.3	75.8	102	47.4	17.8	65.2	43.5	49.4	23.2	48.3	44.4	51.6	49.4
Beryllium	7440-41-7	72	< 0.45 U	< 0.49 U	0.65	0.59	0.68	0.34 J	0.26 J	0.65	0.47	0.47	0.21 J	0.55	0.91	0.37 J	0.41
Cadmium	7440-43-9	4.3	< 1.1 U	< 1.2 U	< 1.1 U	< 1.0 U	0.12 J	< 1.1 U	< 1.1 U	< 1.1 U	0.14 J	< 1.0 U	< 0.98 U	< 1.1 U	0.18 J	< 1.0 U	< 1.0 U
Calcium	7440-70-2	NL	**4550**	**4010**	4480	1860	1670	1740	1180	4300	2340	3410	1140	1010	1490	1930	1860
Chromium	7440-47-3	180	**3.9**	**5.8**	20.3	15.8	17.0	12.1	9.1	17.4	19.2	28.5	8.7	19.9	16.5	23.9	21.0
Cobalt	7440-48-4	NL	**1.9 J**	**2.2 J**	7.6	8.8	11.6	5.6	3.7	5.9	7.1	7.7	3.5	7.0	7.4	7.6	7.8
Copper	7440-50-8	270	**5.0 J**	**6.4**	27.1	31.1	36.5	18.3	10.1	68.8	23.1	30.0	8.1	13.9	27.4	31.8	26.1
Iron	7439-89-6	NL	**4980**	**6290**	23800	24400	27200	15200	7290	21300	16900	20900	6750	17500	25700	19300	20800
Lead	7439-92-1	400	**2.3**	**2.1**	30.1	7.7	9.7	4.2	3.0	70.4	6.4	8.0	2.6	33.1	7.8	5.8	6.7
Magnesium	7439-95-4	NL	**1940**	**2280**	4310	3560	3230	3010	2740	3000	3970	4040	3510	2870	3040	3650	3180
Manganese	7439-96-5	2000	**118**	**184**	245	556 J	1340 J	484	205	156	539	402	200	180	625	398	468
Mercury	7439-97-6	0.81	< 0.035 U	< 0.041 U	0.052	0.0096 J	0.0089 J	< 0.018 U	< 0.017 U	0.19	< 0.018 U	< 0.016 U	< 0.017 U	0.031	0.0065 J	0.0070 J	0.0064 J
Nickel	7440-02-0	310	**10**	**6.0 J**	15.2	30.9	31.3	18.7	22.2	14.4	26.5	25.1	26.8	15.1	41.4	25.3	25.2
Potassium	7440-09-7	NL	**233 J**	**344 J**	703	1600	1650	1260	657	772	1800	1930	700	859	1020	1790	1530
Selenium	7782-49-2	180	< 2.3 U	< 2.4 U	0.59 J	0.12 J	0.12 J	< 1.3 U	< 1.3 U	0.77 J	< 1.2 U	< 1.3 U	< 1.2 U	0.44 J	< 1.3 U	< 1.3 U	< 1.3 U
Silver	7440-22-4	180	< 2.3 U	< 2.4 U	< 1.1 U	< 1.0 U	< 1.0 U	< 1.1 U	< 1.1 U	< 1.1 U	< 0.98 U	< 1.0 U	< 0.98 U	< 1.1 U	< 1.0 U	< 1.0 U	< 1.0 U
Sodium	7440-23-5	NL	< 1130 U	< 1220 U	715	192	229	156	168	468	343	668	139	135	182	248	239
Thallium	7440-28-0	NL	< 2.3 U	< 2.4 U	0.12 J	0.14 J	0.19 J	0.11 J	< 0.42 U	0.12 J	0.13 J	0.15 J	0.045 J	0.12 J	0.12 J	0.12 J	0.11 J
Vanadium	7440-62-2	NL	**6.5 J**	**7.4 J**	32.1	32.7	31.1	16.8	9.4	27.4	32.3	32.5	9.9	29.1	24.2	39.1	31.2
Zinc	7440-66-6	10000	**11.5**	**10.3**	38.9	62.0	63.1	43.0	21.2	71.2	35.6	41.8	15.7	63.0	49.7	40.8	36.8
Cyanide (mg/Kg)																	
Cyanide, Amenable	57-12-5-AMEN	NL	**0.41 J**	**0.17 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Total	57-12-5	27	**0.41 J**	**0.17 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Free	57-12-5-F	NL	NA	NA	0.73	1.3	1.3	0.78	0.76	0.72	0.87	0.63	0.51	1.1	1.5 J	1.1	1.2
PCBs (mg/Kg)																	
Aroclor 1016	12674-11-2	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Aroclor 1221	11104-28-2	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Aroclor 1232	11141-16-5	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Aroclor 1242	53469-21-9	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Aroclor 1248	12672-29-6	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Aroclor 1254	11097-69-1	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Aroclor 1260	11096-82-5	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Aroclor 1262	37324-23-5	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Aroclor 1268	11100-14-4	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Total PCB	CALC-PCB	1	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Pesticides (mg/Kg)																	
4,4'-DDD	72-54-8	13	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
4,4'-DDE	72-55-9	8.9	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
4,4'-DDT	50-29-3	7.9	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
Aldrin	309-00-2	0.097	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
alpha-BHC	319-84-6	0.48	< 0.0076 U	< 0.0086 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U
beta-BHC	319-85-7	0.36	< 0.0076 U	< 0.0086 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U
Chlordane	57-74-9	NL	< 0.076 U	< 0.086 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	319-86-8	100	< 0.0076 U	< 0.0086 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U
Dieldrin	60-57-1	0.2	< 0.0076 U	< 0.0086 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U
Endosulfan I	959-98-8	24	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
Endosulfan II	33213-65-9	24	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
Endosulfan sulfate	1031-07-8	24	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
Endrin	72-20-8	11	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
Endrin aldehyde	7421-93-4	NL	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
Endrin ketone	53494-70-5	NL	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
gamma-BHC (Lindane)	58-89-9	1.3	< 0.0076 U	< 0.0086 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U
Heptachlor	76-44-8	2.1	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
Heptachlor epoxide	1024-57-3	NL	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
Methoxychlor	72-43-5	NL	< 0.0076 U	< 0.0086 U	< 0.0081 U	< 0.0070 U	< 0.0070 U	< 0.0073 U	< 0.0071 U	< 0.0080 U	< 0.0071 U	< 0.0070 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0071 U	< 0.0071 U
Toxaphene	8001-35-2	NL	< 0.076 U	< 0.086 U	< 0.081 U	< 0.070 U	< 0.070 U	< 0.073 U	< 0.071 U	< 0.080 U	< 0.071 U	< 0.070 U	< 0.070 U	< 0.081 U	< 0.070 U	< 0.071 U	< 0.071 U
Herbicides (mg/Kg)																	
Total Herbicides	93-76-5	NL	< 0.019 U	< 0.022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	93-76-5	NL	< 0.019 U	< 0.022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	94-75-7	NL	< 0.019 U	< 0.022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Picloram	1918-02-1	NL	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	93-72-1	100	< 0.019 U	< 0.022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

Table 4-4
Summary of Analytical Results for Metals, Pesticides, Herbicides, PCBs, and Cyanide in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID: Property: Sample ID: Sample Date: Depth Interval (ft bgs):	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-204 329 Clarkson SB-204(03-05) 8/23/2021 3-5 ft	SB-204 329 Clarkson SB-204(08-10) 9/8/2021 8-10 ft	SB-204 329 Clarkson DUPE-07-090821 9/8/2021 8-10 ft	SB-204 329 Clarkson SB-204(23-25) 9/8/2021 23-25 ft	SB-204 329 Clarkson SB-204(33-35) 9/8/2021 33-35 ft	SB-204 329 Clarkson SB-204(78-80) 9/9/2021 78-80 ft	SB-205 329 Clarkson SB-205(03-05) 8/23/2021 3-5 ft	SB-205 329 Clarkson SB-205(13-15) 8/24/2021 13-15 ft	SB-205 329 Clarkson SB-205(18-20) 8/24/2021 18-20 ft	SB-206 329 Clarkson SB-206(01-03) 8/23/2021 1-3 ft	SB-206 329 Clarkson DUPE-01-082321 8/23/2021 1-3 ft	SB-206 329 Clarkson SB-206(13-15) 8/24/2021 13-15 ft	SB-206 329 Clarkson SB-206(18-20) 8/24/2021 18-20 ft	SB-207 329 Clarkson SB-207(02-04) 9/1/2021 2-4 ft	SB-207 329 Clarkson DUPE-05-090121 9/1/2021 2-4 ft
Metals (mg/Kg)																	
Aluminum	7429-90-5	NL	6720	5000	4260	5110	3050	2770	9600	6940	6340	7590	5050	4710	3220	8580	7760
Antimony	7440-36-0	NL	0.21 J	< 1.1 UJ	< 1.1 UJ	< 0.99 UJ	< 1.1 UJ	< 0.88 UJ	< 1.1 UJ	< 0.99 UJ	< 1.0 UJ	0.84 J	0.49 J	< 1.0 UJ	< 1.0 UJ	0.67 J	0.75 J
Arsenic	7440-38-2	16	7.2	2.0	1.7	2.1	1.6	0.93	7.1	3.6	2.9	13.1	11.6	1.6	2.0	11.4	13.2
Barium	7440-39-3	400	408	28.1	22.4	37.9	24.7	17.9	65.0	58.4	52.0	155	153	35.5	27.3	177	196
Beryllium	7440-41-7	72	0.37 J	0.43	0.35 J	0.48	0.18 J	0.18 J	0.79	0.63	0.52	0.56	0.36 J	0.30 J	0.26 J	0.52	0.56
Cadmium	7440-43-9	4.3	0.47 J	< 1.1 U	< 1.1 U	0.11 J	< 1.1 U	< 0.88 U	0.52 J	0.19 J	0.11 J	0.74 J	2.0	< 1.0 U	< 1.0 U	0.85 J	1.1
Calcium	7440-70-2	NL	38300	959	826	1590	1030	4610	6520	1450	2110	27400	22900	3890	1310	20100	17100
Chromium	7440-47-3	180	17.0	14.0	12.4	14.7	9.3	12.7	14.4	22.9	19.2	17.8	13.7	12.9	9.9	18.9	20.8
Cobalt	7440-48-4	NL	4.5	5.3	4.6	6.1	3.8	4.2	10.2	7.0	6.0	6.6	4.3	4.9	6.1	7.6	8.0
Copper	7440-50-8	270	31.7	15.9	14.3	17.8	10.1	8.5	29.1	24.1	22.8	70.5	78.8	13.9	17.4	119	135
Iron	7439-89-6	NL	11300	15000	12700	15200	10200	6990	14700	28400	14800	16000	14200	13300	15600	19300	19200
Lead	7439-92-1	400	839	5.1	4.1	8.3	2.9	3.1	64.1	17.5	14.7	664	750	4.7	4.2	851	1250
Magnesium	7439-95-4	NL	5860	2020	1810	2900	2640	5620	2440	3630	3170	7020 J	1780 J	3430	1890	8180	7700
Manganese	7439-96-5	2000	275	284	277	550	267	219	383	561	539	264	201	347	376	260	259
Mercury	7439-97-6	0.81	0.41	< 0.018 U	< 0.017 U	< 0.017 U	< 0.018 U	< 0.018 U	0.097	< 0.016 U	< 0.018 U	1.8 J	5.6 J	< 0.018 U	< 0.017 U	1.2	1.3
Nickel	7440-02-0	310	16.6	18.4	16.5	29.5	24.8	38.9	34.6	44.4	27.4	18.0	14.4	18.5	20.6	20.6	28.5
Potassium	7440-09-7	NL	1000	657	496	989	625	512	1070	1490	1730	974	917	882	630	733	627
Selenium	7782-49-2	180	0.33 J	0.14 J	0.15 J	< 1.2 U	< 1.4 U	< 1.1 U	0.80 J	< 1.2 U	< 1.3 U	1.3	1.5	< 1.3 U	< 1.3 U	0.76 J	0.97 J
Silver	7440-22-4	180	< 1.1 U	< 1.1 U	< 1.1 U	< 0.99 U	< 1.1 U	< 0.88 U	< 1.1 U	< 0.99 U	< 1.0 U	0.12 J	0.15 J	< 1.0 U	< 1.0 U	0.16 J	0.19 J
Sodium	7440-23-5	NL	786	140	102 J	222	124	135	177	142	202	443 J	1600 J	110	106	182	135
Thallium	7440-28-0	NL	0.073 J	0.067 J	0.062 J	0.092 J	0.048 J	< 0.35 U	0.15 J	0.13 J	0.11 J	0.18 J	0.16 J	0.067 J	0.086 J	0.21 J	0.24 J
Vanadium	7440-62-2	NL	24.8	21.4	17.1	22.4	12.9	7.7	24.2	34.3	28.3	22.3	20.3	19.9	21.1	25.5	26.5
Zinc	7440-66-6	10000	485	24.2	21.5	33.9	17.5	15.5	109	48.8	59.2	434	323	21.7	27.3	370	554
Cyanide (mg/Kg)																	
Cyanide, Amenable	57-12-5-AMEN	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Total	57-12-5	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Free	57-12-5-F	NL	2.0 J+	1.0	0.59	0.86	1.2 J+	1.7 J+	0.83	0.48	0.75	0.93	0.77	< 1.2 U	0.93	0.80	0.92
PCBs (mg/Kg)																	
Aroclor 1016	12674-11-2	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Aroclor 1221	11104-28-2	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Aroclor 1232	11141-16-5	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Aroclor 1242	53469-21-9	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Aroclor 1248	12672-29-6	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Aroclor 1254	11097-69-1	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Aroclor 1260	11096-82-5	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Aroclor 1262	37324-23-5	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Aroclor 1268	11100-14-4	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Total PCB	CALC-PCB	1	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Pesticides (mg/Kg)																	
4,4'-DDD	72-54-8	13	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
4,4'-DDE	72-55-9	8.9	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
4,4'-DDT	50-29-3	7.9	0.0042 J	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
Aldrin	309-00-2	0.097	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
alpha-BHC	319-84-6	0.48	< 0.0023 U	< 0.0022 U	< 0.0022 U	< 0.0021 U	< 0.0022 U	< 0.0023 U	< 0.0023 U	< 0.0021 U	< 0.0022 U	< 0.0023 U	< 0.0026 U	< 0.0021 U	< 0.0020 U	< 0.0023 U	< 0.0023 U
beta-BHC	319-85-7	0.36	< 0.0023 U	< 0.0022 U	< 0.0022 U	< 0.0021 U	< 0.0022 U	< 0.0023 U	< 0.0023 U	< 0.0021 U	< 0.0022 U	< 0.0023 U	< 0.0026 U	< 0.0021 U	< 0.0020 U	< 0.0023 U	< 0.0023 U
Chlordane	57-74-9	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	319-86-8	100	< 0.0023 U	< 0.0022 U	< 0.0022 U	< 0.0021 U	< 0.0022 U	< 0.0023 U	< 0.0023 U	< 0.0021 U	< 0.0022 U	< 0.0023 U	< 0.0026 U	< 0.0021 U	< 0.0020 U	< 0.0023 U	< 0.0023 U
Dieldrin	60-57-1	0.2	< 0.0023 U	< 0.0022 U	< 0.0022 U	< 0.0021 U	< 0.0022 U	< 0.0023 U	< 0.0023 U	< 0.0021 U	< 0.0022 U	< 0.0023 U	< 0.0026 U	< 0.0021 U	< 0.0020 U	< 0.0023 U	< 0.0023 U
Endosulfan I	959-98-8	24	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
Endosulfan II	33213-65-9	24	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
Endosulfan sulfate	1031-07-8	24	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
Endrin	72-20-8	11	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
Endrin aldehyde	7421-93-4	NL	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
Endrin ketone	53494-70-5	NL	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
gamma-BHC (Lindane)	58-89-9	1.3	< 0.0023 U	< 0.0022 U	< 0.0022 U	< 0.0021 U	< 0.0022 U	< 0.0023 U	< 0.0023 U	< 0.0021 U	< 0.0022 U	< 0.0023 U	< 0.0026 U	< 0.0021 U	< 0.0020 U	< 0.0023 U	< 0.0023 U
Heptachlor	76-44-8	2.1	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
Heptachlor epoxide	1024-57-3	NL	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
Methoxychlor	72-43-5	NL	< 0.0078 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0074 U	< 0.0077 U	< 0.0078 U	< 0.0071 U	< 0.0074 U	< 0.0076 U	< 0.0086 U	< 0.0070 U	< 0.0068 U	< 0.0077 U	< 0.0077 U
Toxaphene	8001-35-2	NL	< 0.078 U	< 0.074 U	< 0.073 U	< 0.070 U	< 0.074 U	< 0.077 U	< 0.078 U	< 0.071 U	< 0.074 U	< 0.076 U	< 0.086 U	< 0.070 U	< 0.068 U	< 0.077 U	< 0.077 U
Herbicides (mg/Kg)																	
Total Herbicides	93-76-5	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	93-76-5	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	94-75-7	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Picloram	1918-02-1	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	93-72-1	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
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Table 4-4
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329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID: / Property: / Sample ID: / Sample Date: / Depth Interval (ft bgs):	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-207 329 Clarkson SB-207(07-09) 9/7/2021 7-9 ft	SB-207 329 Clarkson DUPE-06-090721 9/7/2021 7-9 ft	SB-207 329 Clarkson SB-207(18-20) 9/7/2021 18-20 ft	SB-208 329 Clarkson SB-208(01-03) 9/1/2021 1-3 ft	SB-208 329 Clarkson SB-208(08-10) 9/2/2021 8-10 ft	SB-208 329 Clarkson SB-208(18-20) 9/2/2021 18-20 ft	SB-209 329 Clarkson SB-209(01-03) 8/23/2021 1-3 ft	SB-209 329 Clarkson SB-209(08-10) 8/25/2021 8-10 ft	SB-209 329 Clarkson SB-209(16-18) 8/25/2021 16-18 ft	SB-210 329 Clarkson SB-210(01-03) 8/21/2021 1-3 ft	SB-210 329 Clarkson SB-210(08-10) 8/28/2021 8-10 ft	SB-210 329 Clarkson SB-210(22-24) 8/28/2021 22-24 ft	SB-211 329 Clarkson SB-211(01-03) 8/21/2021 1-3 ft	SB-211 329 Clarkson SB-211(13-15) 9/11/2021 13-15 ft	SB-211 329 Clarkson SB-211(18-20) 9/11/2021 18-20 ft	SB-212 329 Clarkson SB-212(01-03) 8/24/2021 1-3 ft
Metals (mg/Kg)																		
Aluminum	7429-90-5	NL	8900	8720	9300	5540	7770	6930	6280	8450	7570	15500	9760	7720	8480	4200	6490	8300
Antimony	7440-36-0	NL	< 0.98 UJ	< 1.0 UJ	< 1.0 UJ	1.1 J	< 1.0 UJ	< 0.99 UJ	0.35 J	< 0.97 UJ	< 1.1 UJ	0.23 J	< 1.0 UJ	< 0.98 UJ	0.43 J	< 0.94 UJ	< 0.94 UJ	0.69 J
Arsenic	7440-38-2	16	2.6	2.2	3.2	39.3	2.1	2.3	11.3	2.5	3.2	6.7	3.1	2.7	6.2	1.5	2.0	A
Barium	7440-39-3	400	60.0	60.5	65.4	201	38.6	54.2	131	62.9	46.9	108	40.1 J	47.6	67.7	20.1	42.3	128
Beryllium	7440-41-7	72	0.54	0.49	0.55	0.37 J	0.50	0.49	0.46	0.57	0.60	0.86	0.72	0.56	0.43 J	0.30 J	0.49	0.61
Cadmium	7440-43-9	4.3	< 0.98 U	< 1.0 U	0.18 J	1.1	< 1.0 U	< 0.99 U	0.69 J	< 0.97 U	0.13 J	0.13 J	0.12 J	< 0.98 U	0.19 J	< 0.94 U	< 0.94 U	0.93 J
Calcium	7440-70-2	NL	1400	1380	11300	15600	1290	1640	30800	2340	2660	3760	3580	2420	25800	4430	1270	18600
Chromium	7440-47-3	180	20.3	19.6	90.8	38.6	25.2	24.2	13.3	18.4	25.7	17.7	20.6	33.1	12.5	15.8	19.8	21.7
Cobalt	7440-48-4	NL	8.5	7.0	12.6	8.1	6.7	7.9	5.2	7.5	9.9	5.4	8.7	8.2	4.7	3.8	8.2	7.5
Copper	7440-50-8	270	24.1	22.0	52.8	225	24.3	37.6	67.0	25.2	30.6	26.9	32.6 J	30.1	47.4	12.1	23.2	76.7
Iron	7439-89-6	NL	18100	15800	27200	28600	13300	21900	13400	18600	23800	16600	21300	20300	11000	11700	16400	25000
Lead	7439-92-1	400	5.9	5.7	43.7	1060	8.8	10.2	557	8.4	13.3	145	7.5	9.1	109	6.6	19.9	1100
Magnesium	7439-95-4	NL	3950	3930	10500	8460	3430	3030	5120	3770	4620	3100	4350	4240	2360	2960	3640	3630
Manganese	7439-96-5	2000	1040	841	507	190	365	465	215	479	742	487	571	451	213	250	491	280
Mercury	7439-97-6	0.81	0.0041 J	0.0054 J	0.040	0.74	0.0050 J	< 0.016 U	1.8	< 0.018 U	0.030	0.19	0.0078 J	0.0080 J	0.17	< 0.016 U	< 0.017 U	2.2
Nickel	7440-02-0	310	33.5	31.6	53.0	69.0	39.7	25.6	15.4	30.5	39.4	14.7	29.9	41.2	13.3	14.9	33.6	22.7
Potassium	7440-09-7	NL	1410	1330	2460	967	1070	1290	913	1580	1130	1040	1280 J	1440	856	674	1090	1040
Selenium	7782-49-2	180	< 1.2 U	< 1.3 U	0.12 J	3.2	< 1.3 U	< 1.2 U	1.2 J	< 1.2 U	0.19 J	0.78 J	0.13 J	< 1.2 U	0.57 J	< 1.2 U	< 1.2 U	3.4
Silver	7440-22-4	180	< 0.98 U	< 1.0 U	< 1.0 U	0.16 J	< 1.0 U	< 0.99 U	0.11 J	< 0.97 U	< 1.1 U	0.13 J	< 1.0 U	< 0.98 U	0.11 J	< 0.94 U	< 0.94 U	0.29 J
Sodium	7440-23-5	NL	326	345	667	599	307	406	504	216	284	432	274	320	496	189	205	651
Thallium	7440-28-0	NL	0.11 J	0.16 J	0.15 J	0.29 J	0.069 J	0.10 J	0.18 J	0.12 J	0.12 J	0.14 J	0.16 J	0.11 J	0.092 J	0.051 J	0.11 J	1.3
Vanadium	7440-62-2	NL	35.3	30.0	34.6	26.9	28.1	35.3	18.3	34.1	36.7	31.8	34.4	39.9	17.4	14.0	27.8	27.7
Zinc	7440-66-6	10000	38.6	37.5	67.1	455	33.2	35.0	336	39.7	44.2	60.7	44.9	39.0	84.3	20.1	35.1	420
Cyanide (mg/Kg)																		
Cyanide, Amenable	57-12-5-AMEN	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Total	57-12-5	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Free	57-12-5-F	NL	0.88	0.77	0.77	0.67	0.63	0.93	0.54	1.2	1.2	1.8 J+	1.2	0.85	0.70	< 1.1 U	0.65	1.3 J+
PCBs (mg/Kg)																		
Aroclor 1016	12674-11-2	NL	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Aroclor 1221	11104-28-2	NL	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Aroclor 1232	11141-16-5	NL	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Aroclor 1242	53469-21-9	NL	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Aroclor 1248	12672-29-6	NL	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Aroclor 1254	11097-69-1	NL	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Aroclor 1260	11096-82-5	NL	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Aroclor 1262	37324-23-5	NL	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Aroclor 1268	11100-14-4	NL	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Total PCB	CALC-PCB	1	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Pesticides (mg/Kg)																		
4,4'-DDD	72-54-8	13	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
4,4'-DDE	72-55-9	8.9	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	0.067
4,4'-DDT	50-29-3	7.9	< 0.0071 U	< 0.0070 U	< 0.0071 U	0.0034 J	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	0.14
Aldrin	309-00-2	0.097	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
alpha-BHC	319-84-6	0.48	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0022 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0020 U	< 0.0020 U	< 0.0023 U
beta-BHC	319-85-7	0.36	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0022 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0020 U	< 0.0020 U	< 0.0023 U
Chlordane	57-74-9	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	319-86-8	100	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0022 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0020 U	< 0.0020 U	< 0.0023 U
Dieldrin	60-57-1	0.2	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0022 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0020 U	< 0.0020 U	< 0.0023 U
Endosulfan I	959-98-8	24	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
Endosulfan II	33213-65-9	24	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
Endosulfan sulfate	1031-07-8	24	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
Endrin	72-20-8	11	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
Endrin aldehyde	7421-93-4	NL	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
Endrin ketone	53494-70-5	NL	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
gamma-BHC (Lindane)	58-89-9	1.3	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.0022 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0020 U	< 0.0020 U	< 0.0023 U
Heptachlor	76-44-8	2.1	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
Heptachlor epoxide	1024-57-3	NL	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
Methoxychlor	72-43-5	NL	< 0.0071 U	< 0.0070 U	< 0.0071 U	< 0.0075 U	< 0.0071 U	< 0.0069 U	< 0.0074 U	< 0.0069 U	< 0.0075 U	< 0.0080 U	< 0.0070 U	< 0.0069 U	< 0.0078 U	< 0.0067 U	< 0.0068 U	< 0.0077 U
Toxaphene	8001-35-2	NL	< 0.071 U	< 0.070 U	< 0.071 U	< 0.075 U	< 0.071 U	< 0.069 U	< 0.074 U	< 0.069 U	< 0.075 U	< 0.080 U	< 0.070 U	< 0.069 U	< 0.078 U	< 0.067 U	< 0.068 U	< 0.077 U
Herbicides (mg/Kg)																		
Total Herbicides	93-76-5	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	93-76-5	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	94-75-7	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Picloram	1918-02-1	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	93-72-1	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

Table 4-4
Summary of Analytical Results for Metals, Pesticides, Herbicides, PCBs, and Cyanide in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID:			SB-212	SB-212	SB-213	SB-213	SB-213	SB-214	SB-214	SB-214	SB-215	SB-215	SB-215	SB-216	SB-217	SB-217	SB-217
Property:		NYSDEC PART	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson	329 Clarkson
Sample ID:	CAS#	375-6	SB-212(12-14)	SB-212(17-19)	SB-213(02-04)	SB-213(08-10)	SB-213(18-20)	SB-214(02-04)	SB-214(06-08)	SB-214(18-20)	SB-215(03-05)	SB-215(12-14)	SB-215(21-23)	SB-216(18-20)	SB-217(03-05)	SB-217(06-08)	SB-217(16-18)
Sample Date:		RESTRICTED-RES	9/2/2021	9/2/2021	8/23/2021	8/25/2021	8/25/2021	8/24/2021	8/26/2021	8/26/2021	8/24/2021	8/26/2021	8/26/2021	9/7/2021	9/11/2021	9/11/2021	9/11/2021
Depth Interval (ft bgs):			12-14 ft	17-19 ft	2-4 ft	8-10 ft	18-20 ft	2-4 ft	6-8 ft	18-20 ft	3-5 ft	12-14 ft	21-23 ft	18-20 ft	3-5 ft	6-8 ft	16-18 ft
Metals (mg/Kg)																	
Aluminum	7429-90-5	NL	5640	7100	10200	8230	8360	7000	8190	8690	14700	7710	7460	7450	11700	7940	7330
Antimony	7440-36-0	NL	< 1.1 UJ	< 1.1 UJ	0.41 J	< 0.99 UJ	< 0.97 UJ	0.58 J	< 0.87 UJ	< 0.78 UJ	0.27 J	< 0.81 UJ	< 0.82 UJ	< 1.1 UJ	< 1.1 UJ	0.40 J	< 1.0 UJ
Arsenic	7440-38-2	16	7.5	7.5	13.2	3.7	3.5	36.7	3.0	2.5	8.3	2.1	2.5	3.9	6.6	6.8	2.6
Barium	7440-39-3	400	39.6	50.5	112	53.4	59.6	282	33.3	51.5	112	45.6	43.0	42.3	64.4	52.4	47.8
Beryllium	7440-41-7	72	0.33 J	0.38 J	0.61	0.51	0.66	0.57	0.57	0.42	0.89	0.42	0.56	0.49	0.64	0.54	0.55
Cadmium	7440-43-9	4.3	< 1.1 U	0.12 J	0.74 J	< 0.99 U	0.17 J	1.3	< 0.87 U	< 0.78 U	0.20 J	0.20 J	0.097 J	0.12 J	0.14 J	0.20 J	< 1.0 U
Calcium	7440-70-2	NL	11600	15100	21900	2160	2590	17400	1690	2240	4690	2210	2010	2880	3180	4770	1950
Chromium	7440-47-3	180	16.9	20.1	19.0	20.7	33.0	53.8	18.8	35.2	18.6	20.7	22.4	25.1	18.6	19.2	23.6
Cobalt	7440-48-4	NL	3.6	4.8	8.7	8.2	9.0	9.1	6.5	9.1	11.0	7.7	7.7	6.6	8.0	7.4	8.4
Copper	7440-50-8	270	24.6	30.4	62.7	46.1	38.1	51.5	20.4	20.9	42.8	29.1	28.2	30.4	17.9	30.3	29.8
Iron	7439-89-6	NL	13500	16200	23200	20500	26000	32900	15500	15900	22300	16300	19200	16000	19200	18400	20800
Lead	7439-92-1	400	26.0	28.0	282	13.0	9.8	1410	10.5	6.8	218	78.9	29.3	43.5	64.8	147	7.8
Magnesium	7439-95-4	NL	4260	3840	6030	4250	4070	3400	4050	5300	2660	3840	3920	4070	2360	3070	4020
Manganese	7439-96-5	2000	140	219	364	447	836	349	459	325	396	481	472	407	394	348	492
Mercury	7439-97-6	0.81	0.11	0.034	2.5	< 0.017 U	< 0.016 U	3.4	< 0.017 U	< 0.016 U	0.22	0.0087 J	0.0072 J	0.014 J	0.11	0.24	< 0.018 U
Nickel	7440-02-0	310	18.7	23.2	21.7	31.1	37.9	29.7	23.6	60.3	22.1	29.8	35.3	25.5	17.2	26.8	31.9
Potassium	7440-09-7	NL	1100	1130	1050	2140	2020	986	1310	2470	952	1480	1250	1530	871	1340	2040
Selenium	7782-49-2	180	0.61 J	0.64 J	1.4	< 1.2 U	< 1.2 U	2.0	0.10 J	< 0.97 U	0.79 J	< 1.0 U	< 1.0 U	< 1.3 U	0.45 J	0.43 J	< 1.3 U
Silver	7440-22-4	180	< 1.1 U	< 1.1 U	0.12 J	< 0.99 U	< 0.97 U	0.13 J	< 0.87 U	< 0.78 U	0.11 J	< 0.81 U	< 0.82 U	< 1.1 U	< 1.1 U	< 1.0 U	< 1.0 U
Sodium	7440-23-5	NL	250	260	584	277	349	433	344	366	270	466	314	298	221	289	308
Thallium	7440-28-0	NL	0.22 J	0.26 J	0.47	0.14 J	0.22 J	0.38 J	0.10 J	0.20 J	0.20 J	0.12 J	0.10 J	0.11 J	0.29 J	0.27 J	0.15 J
Vanadium	7440-62-2	NL	22.1	25.6	28.9	35.7	35.7	25.2	28.4	32.8	30.8	31.5	31.7	26.3	27.7	25.4	33.1
Zinc	7440-66-6	10000	45.2	52.5	317	45.4	52.5	681	35.4	35.6	100	55.1	49.2	45.8	51.4	73.3	42.8
Cyanide (mg/Kg)																	
Cyanide, Amenable	57-12-5-AMEN	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Total	57-12-5	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Free	57-12-5-F	NL	0.93	0.81	0.96	1.2	0.74	0.52	1.4 J	1.2	< 1.3 U	1.2	1.2	1.1 J	0.50	0.58 J	< 1.2 U
PCBs (mg/Kg)																	
Aroclor 1016	12674-11-2	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Aroclor 1221	11104-28-2	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Aroclor 1232	11141-16-5	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Aroclor 1242	53469-21-9	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Aroclor 1248	12672-29-6	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Aroclor 1254	11097-69-1	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Aroclor 1260	11096-82-5	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Aroclor 1262	37324-23-5	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Aroclor 1268	11100-14-4	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Total PCB	CALC-PCB	1	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Pesticides (mg/Kg)																	
4,4'-DDD	72-54-8	13	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
4,4'-DDE	72-55-9	8.9	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
4,4'-DDT	50-29-3	7.9	0.0041 J	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
Aldrin	309-00-2	0.097	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
alpha-BHC	319-84-6	0.48	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0021 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0022 U	< 0.0021 U
beta-BHC	319-85-7	0.36	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0021 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0022 U	< 0.0021 U
Chlordane	57-74-9	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	319-86-8	100	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0021 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0022 U	< 0.0021 U
Dieldrin	60-57-1	0.2	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0021 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0022 U	< 0.0021 U
Endosulfan I	959-98-8	24	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
Endosulfan II	33213-65-9	24	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
Endosulfan sulfate	1031-07-8	24	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
Endrin	72-20-8	11	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
Endrin aldehyde	7421-93-4	NL	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
Endrin ketone	53494-70-5	NL	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
gamma-BHC (Lindane)	58-89-9	1.3	< 0.0023 U	< 0.0023 U	< 0.0023 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0021 U	< 0.0021 U	< 0.0024 U	< 0.0021 U	< 0.0021 U	< 0.0021 U	< 0.0023 U	< 0.0022 U	< 0.0021 U
Heptachlor	76-44-8	2.1	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
Heptachlor epoxide	1024-57-3	NL	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
Methoxychlor	72-43-5	NL	< 0.0078 U	< 0.0078 U	< 0.0078 U	< 0.0070 U	< 0.0070 U	< 0.0076 U	< 0.0070 U	< 0.0069 U	< 0.0081 U	< 0.0069 U	< 0.0069 U	< 0.0070 U	< 0.0078 U	< 0.0073 U	< 0.0071 U
Toxaphene	8001-35-2	NL	< 0.078 U	< 0.078 U	< 0.078 U	< 0.070 U	< 0.070 U	< 0.076 U	< 0.070 U	< 0.069 U	< 0.081 U	< 0.069 U	< 0.069 U	< 0.070 U	< 0.078 U	< 0.073 U	< 0.071 U
Herbicides (mg/Kg)																	
Total Herbicides	93-76-5	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	93-76-5	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	94-75-7	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Picloram	1918-02-1	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	93-72-1	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

Table 4-4
Summary of Analytical Results for Metals, Pesticides, Herbicides, PCBs, and Cyanide in Subsurface Soil (2011 - 2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID: Property: Sample ID: Sample Date: Depth Interval (ft bgs):	CAS#	NYSDEC PART 375-6 RESTRICTED-RES	SB-218 329 Clarkson SB-218(02-04) 9/11/2021 2-4 ft	SB-218 329 Clarkson SB-218(10-12) 9/11/2021 10-12 ft	SB-218 329 Clarkson SB-218(15-17) 9/11/2021 15-17 ft	SB-219 329 Clarkson SB-219(01-03) 9/11/2021 1-3 ft	SB-219 329 Clarkson SB-219(13-15) 9/11/2021 13-15 ft	SB-219 329 Clarkson SB-219(18-20) 9/11/2021 18-20 ft	TP-201 329 Clarkson TP-201(06-07) 9/14/2021 6 - 7 ft	TP-202 329 Clarkson TP-202(01-03) 9/15/2021 1 - 3 ft	TP-202 329 Clarkson TP-202(05-06) 9/15/2021 5-6 ft
Metals (mg/Kg)											
Aluminum	7429-90-5	NL	8930	6670	5870	8030	6210	2840	8070	6710	12600
Antimony	7440-36-0	NL	0.84 J	0.59 J	0.16 J	1.1 J	0.39 J	< 1.5 UJ	< 1.0 UJ	1.3 J	0.22 J
Arsenic	7440-38-2	16	43.7	27.6	4.4	10	7.8	6.5	3.9	33.9	10.2
Barium	7440-39-3	400	105	113	44.6	266	117	57.2	44.3	182	71.9
Beryllium	7440-41-7	72	0.67	0.37 J	0.34 J	0.47	0.40 J	0.30 J	0.63	0.63	0.59
Cadmium	7440-43-9	4.3	1.2	0.73 J	0.17 J	1.5	0.90 J	< 1.5 U	0.12 J	4.5	0.29 J
Calcium	7440-70-2	NL	20200	54200	17500	29900	69400	34700	1370	9820	4400
Chromium	7440-47-3	180	21.6	27.0	16.6	24.2	20.4	15.0	27.9	22.5	19.3
Cobalt	7440-48-4	NL	13.2	3.9	5.2	5.3	3.9	2.2 J	11.1	13.5	8.4
Copper	7440-50-8	270	74.1	34.2	22.3	68.3	126	26.1	48.9	358	31.8
Iron	7439-89-6	NL	20700	13700	17900	17000	15200	6460	22400	41400	22500
Lead	7439-92-1	400	978	343	19.8	1300	146	35.7	48.8	720	122
Magnesium	7439-95-4	NL	4070	6530	7240	6190	9890	7610	3920	2130	3400
Manganese	7439-96-5	2000	350	204	208	255	203	82.8	377	546	362
Mercury	7439-97-6	0.81	2.3	1.2	0.054	1.3	9.4	0.48	0.23 J-	4.6	0.41
Nickel	7440-02-0	310	28.8	11.9	23.6	19.3	15.9	7.8	46.3	37.7	19.6
Potassium	7440-09-7	NL	1030	803	1310	991	793	492	814	668	875
Selenium	7782-49-2	180	1.9	0.95 J	0.21 J	0.98 J	1.0 J	0.83 J	0.27 J	3.0	0.54 J
Silver	7440-22-4	180	0.20 J	0.13 J	< 1.0 U	0.22 J	< 1.1 U	< 1.5 U	< 1.0 U	0.26 J	< 1.1 U
Sodium	7440-23-5	NL	508	335	291	442	363	235	97.9 J	586	438
Thallium	7440-28-0	NL	1.2	1.3	0.14 J	0.15 J	0.097 J	0.14 J	0.096 J	0.42 J	0.18 J
Vanadium	7440-62-2	NL	26.3	13.6	23.8	23.7	13.3	7.7	38.6	29.7	30.5
Zinc	7440-66-6	10000	453	237	69.1	526	207	28.3	72.5	1500	168
Cyanide (mg/Kg)											
Cyanide, Amenable	57-12-5-AMEN	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Total	57-12-5	27	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide, Free	57-12-5-F	NL	1.8 J+	< 1.2 U	0.46	0.61	< 1.3 U	< 1.7 U	< 1.1 U	< 1.3 U	1.9
PCBs (mg/Kg)											
Aroclor 1016	12674-11-2	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Aroclor 1221	11104-28-2	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Aroclor 1232	11141-16-5	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Aroclor 1242	53469-21-9	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Aroclor 1248	12672-29-6	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Aroclor 1254	11097-69-1	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Aroclor 1260	11096-82-5	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Aroclor 1262	37324-23-5	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Aroclor 1268	11100-14-4	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Total PCB	CALC-PCB	1	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U	< 0.070 U	< 0.081 U	< 0.078 U
Pesticides (mg/Kg)											
4,4'-DDD	72-54-8	13	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
4,4'-DDE	72-55-9	8.9	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
4,4'-DDT	50-29-3	7.9	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
Aldrin	309-00-2	0.097	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
alpha-BHC	319-84-6	0.48	< 0.0023 U	< 0.0022 U	< 0.0021 U	< 0.0023 U	< 0.0023 U	< 0.0030 U	< 0.0021 U	< 0.0024 U	< 0.0023 U
beta-BHC	319-85-7	0.36	< 0.0023 U	< 0.0022 U	< 0.0021 U	< 0.0023 U	< 0.0023 U	< 0.0030 U	< 0.0021 U	< 0.0024 U	< 0.0023 U
Chlordane	57-74-9	NL	NA	NA	NA	NA	NA	NA	< 0.0021 U	< 0.0024 U	< 0.0023 U
delta-BHC	319-86-8	100	< 0.0023 U	< 0.0022 U	< 0.0021 U	< 0.0023 U	< 0.0023 U	< 0.0030 U	< 0.0021 U	< 0.0024 U	< 0.0023 U
Dieldrin	60-57-1	0.2	< 0.0023 U	< 0.0022 U	< 0.0021 U	< 0.0023 U	< 0.0023 U	< 0.0030 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
Endosulfan I	959-98-8	24	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
Endosulfan II	33213-65-9	24	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
Endosulfan sulfate	1031-07-8	24	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
Endrin	72-20-8	11	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
Endrin aldehyde	7421-93-4	NL	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
Endrin ketone	53494-70-5	NL	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0021 U	< 0.0024 U	< 0.0023 U
gamma-BHC (Lindane)	58-89-9	1.3	< 0.0023 U	< 0.0022 U	< 0.0021 U	< 0.0023 U	< 0.0023 U	< 0.0030 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
Heptachlor	76-44-8	2.1	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
Heptachlor epoxide	1024-57-3	NL	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.0070 U	< 0.0081 U	< 0.0078 U
Methoxychlor	72-43-5	NL	< 0.0076 U	< 0.0074 U	< 0.0071 U	< 0.0076 U	< 0.0076 U	< 0.010 U	< 0.070 U	< 0.081 U	< 0.078 U
Toxaphene	8001-35-2	NL	< 0.076 U	< 0.074 U	< 0.071 U	< 0.076 U	< 0.076 U	< 0.10 U			
Herbicides (mg/Kg)											
Total Herbicides	93-76-5	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-T	93-76-5	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	94-75-7	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA
Picloram	1918-02-1	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	93-72-1	100	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Gray Highlighted cells exceed NYSDEC PART 375-6 RESTRICTED-RES
Detections are in **bold** text.
mg/kg = milligram per kilogram
NA = Not Analyzed
ND = Non Detect
NL = No Limit
U = Non-detect at laboratory detection limit
UJ = Non-detect at laboratory detection limit. Detection limit is estimated.
J = Estimated Value (J- biased low and J+ biased high)
R = Rejected based on data validation results

Table 4-5
Summary of Analytical Results for PFAS in Subsurface Soil (2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Location ID: Property: Sample ID: Sample Date: Depth Interval (ft bgs):	CAS#	NYSDEC PART 375-6 RESTRICTED RESIDENTIAL CRITERIA[1]	NYSDEC PART 375-6 PROTECTIVE OF GROUNDWATER CRITERIA[1]	SB-202 329 Clarkson SB-202 (03-05) 8/28/2021 3-5 ft	SB-202 329 Clarkson SB-202 (47.5-49.5) 8/31/2021 47.5-49.5 ft	SB-204 329 Clarkson SB-204(33-35) 9/8/2021 33-35 ft	SB-206 329 Clarkson SB-206 (13-15) 8/28/2021 13-15 ft	SB-207 329 Clarkson SB-207 (02-04) 9/1/2021 2-4 ft	SB-210 329 Clarkson SB-210 (22-24) 8/28/2021 22-24 ft	SB-210 329 Clarkson DUPE-03-082821 8/28/2021 22-24 ft
PFAS (ng/g)										
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 U	< 0.537 U	< 0.503 U	< 0.503 U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 U	< 0.537 U	< 0.503 U	< 0.503 U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NL	NL	< 0.584 UJ	< 0.471 U	< 0.531 U	< 1.88 UJ	< 0.537 UJ	< 0.503 UJ	< 0.503 UJ
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NL	NL	< 0.584 UJ	< 0.471 U	< 0.531 U	< 0.461 UJ	< 0.537 U	< 0.503 UJ	< 0.503 UJ
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NL	NL	< 0.292 U	< 0.235 U	< 0.266 U	< 0.230 U	< 0.268 U	< 0.252 U	< 0.252 U
Perfluorobutanoic Acid (PFBA)	375-22-4	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 UJ	**0.027 J**	< 0.503 U	< 0.503 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 U	< 0.537 U	< 0.503 U	< 0.503 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NL	NL	< 0.292 U	< 0.235 U	< 0.266 U	< 0.230 UJ	< 0.268 U	< 0.252 U	< 0.252 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 UJ	< 0.537 U	< 0.503 U	< 0.503 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 U	< 0.537 U	< 0.503 U	< 0.503 U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	NL	NL	< 0.292 U	< 0.235 U	< 0.266 U	< 0.230 UJ	< 0.268 U	< 0.252 U	< 0.252 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NL	NL	**0.229 NJ**	< 0.235 U	< 0.266 UJ	< 0.230 U	< 0.268 U	< 0.252 U	< 0.252 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 UJ	< 0.537 U	< 0.503 U	< 0.503 U
Perfluorononanoic Acid (PFNA)	375-95-1	NL	NL	< 0.292 U	< 0.235 U	< 0.266 U	< 0.230 UJ	< 0.268 U	< 0.252 U	< 0.252 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 U	< 0.537 U	< 0.503 U	< 0.503 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	44	3.7	**0.648**	< 0.235 U	< 0.266 U	< 0.230 U	**0.488**	< 0.252 U	< 0.252 U
Perfluorooctanoic Acid (PFOA)	335-67-1	33	1.1	**0.488**	< 0.235 U	< 0.266 U	< 0.230 UJ	**0.308**	< 0.252 U	< 0.252 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 UJ	< 0.537 U	< 0.503 U	< 0.503 U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 U	< 0.537 U	< 0.503 U	< 0.503 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 U	< 0.537 U	< 0.503 U	< 0.503 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NL	NL	< 0.584 U	< 0.471 U	< 0.531 U	< 0.461 UJ	< 0.537 U	< 0.503 U	< 0.503 U

Notes:

Detections are in **bold** text.

ng/g = nanogram per gram

Bold indicates compound was detected

PFAS - Per and Polyfluoroalkyl Substances

1 - NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluroalkyl Substances (PFAS) Under NYSDEC'S Part 375 Remedial Programs, January 2021.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. (J- biased low and J+ biased high)

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

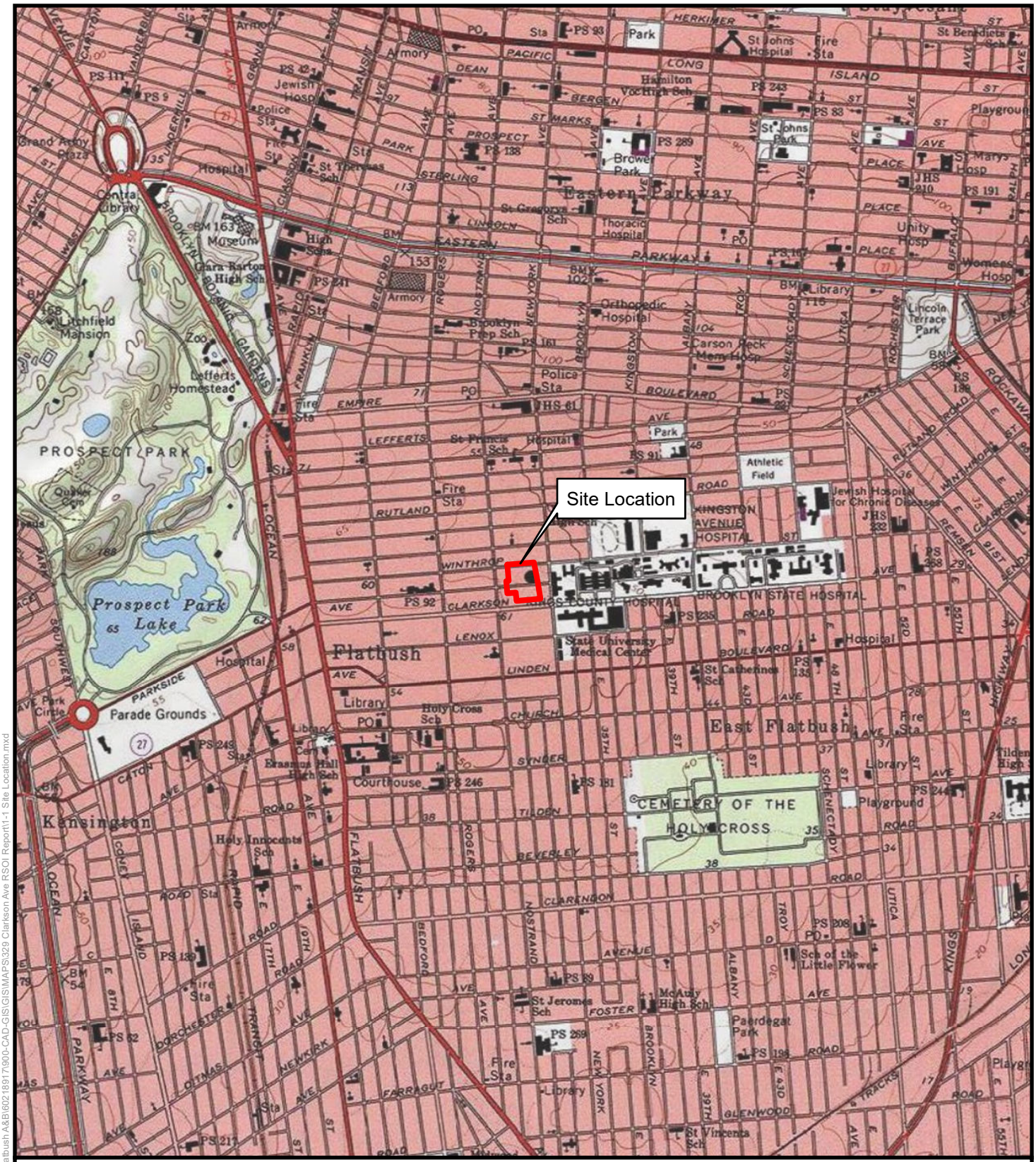
NJ = estimated maximum concentration, because of tentative compound identification

Table 4-6
Summary of Analytical Results for VOCs and Helium in Soil Vapor (2021)
329 Clarkson Avenue, Flatbush A and B Station Former Gas Holder Site
Brooklyn, New York

Sample Location	SV-202	SV-204	SV-205	SV-206	SV-207	SV-209	SV-210	SV-212	SV-215	SV-216
Sample ID	SV-202 (18-20)	SV-204 (18-20)	SV-205 (18-20)	SV-206 (18-20)	SV-207 (18-20)	SV-209 (18-20)	SV-210 (18-20)	SV-212 (18-20)	SV-215 (18-20)	SV-216 (18-20)
Sampling Date	10/10/2021	10/9/2021	10/9/2021	10/10/2021	10/9/2021	10/9/2021	10/10/2021	10/10/2021	10/10/2021	10/9/2021
Volatile Organic Compounds (µg/m³)										
1,1,1-Trichloroethane (1,1,1-TCA)	< 4.3	**2.1**	< 4.4	**3.1**	< 470	**4.5**	< 49	**10**	**3.3**	< 4.4
1,1,2,2-Tetrachloroethane	< 5.4	< 5.5	< 5.5	< 5.5	< 590	< 0.55	< 61	< 5.5	< 5.5	< 5.5
1,1,2-Trichloroethane	**0.69**	< 4.4	< 4.4	< 4.4	< 470	< 0.44	< 49	< 4.4	< 4.4	< 4.4
1,1-Dichloroethane	< 3.2	< 3.2	< 3.2	< 3.2	< 350	< 0.32	< 36	< 3.2	< 3.2	< 3.2
1,1-Dichloroethene	< 3.1	< 3.2	< 3.2	< 3.2	< 340	< 0.32	< 35	< 3.2	< 3.2	< 3.2
1,2,3-Trimethylbenzene	**2.1**	**4.9**	**3**	**2.5**	< 420	**5**	< 44	**2.2**	< 3.9	**1.8**
1,2,4,5-Tetramethylbenzene	< 4.4	**3.4**	**2.5**	< 4.4	< 470	**3.6**	< 49	**2.5**	< 4.4	**2.4**
1,2,4-Trichlorobenzene	< 29	< 30	< 30	< 30	< 3200	< 3	< 330	< 30	< 30	< 30
1,2,4-Trimethylbenzene	**6**	**8**	**5.2**	**4.5**	< 420	**7.5**	**14**	**4.5**	**2.3**	**3.3**
1,2-Dibromoethane (EDB)	< 6.1	< 6.1	< 6.1	< 6.1	**61**	< 0.61	< 69	< 6.1	< 6.1	< 6.1
1,2-Dichlorobenzene	< 4.8	< 4.8	< 4.8	< 4.8	< 510	< 0.48	< 54	< 4.8	< 4.8	< 4.8
1,2-Dichloroethane	< 3.2	< 3.2	< 3.2	< 3.2	< 350	< 0.32	**4.8**	< 3.2	< 3.2	**0.46**
1,2-Dichloropropane	< 3.7	< 3.7	< 3.7	< 3.7	< 390	< 0.37	< 41	< 3.7	< 3.7	< 3.7
1,2-Dichlorotetrafluoroethane (Freon 114)	< 5.5	< 5.6	< 5.6	< 5.6	< 600	**0.12**	< 62	< 5.6	< 5.6	< 5.6
1,3,5-Trimethylbenzene	**2.6**	**3.8**	**2.2**	**2.3**	< 420	**2.7**	< 44	**1.9**	< 3.9	**1.5**
1,3-Butadiene	< 3.5	< 3.5	< 3.5	< 3.5	< 380	< 0.35	< 40	< 3.5	< 3.5	< 3.5
1,3-Dichlorobenzene	**1.4**	< 4.8	< 4.8	**1.2**	< 510	**0.96**	< 54	**1.4**	< 4.8	**1.2**
1,4-Dichlorobenzene	< 4.8	< 4.8	< 4.8	< 4.8	< 510	**0.25**	< 54	< 4.8	< 4.8	< 4.8
1,4-Dioxane	< 7.1	< 7.2	< 7.2	< 7.2	< 770	**0.24**	< 81	< 7.2	< 7.2	< 7.2
1-Methylnaphthalene	< 58	< 58	< 58	< 58	< 6200	< 5.8	< 650	< 58	< 58	< 58
2,2,4-Trimethylpentane	**1.5**	**1.1**	< 9.3	< 9.3	**21000**	**0.28**	< 100	< 9.3	< 9.3	< 9.3
2,3-Dimethylpentane	**1.1**	**2.4**	< 3.3	< 3.3	< 350	< 0.33	< 37	< 3.3	< 3.3	< 3.3
2-Butanone (MEK)	**2.8**	**3.2**	**8.6**	**5.3**	< 1300	**2.3**	< 130	**2.8**	< 12	**2.3**
2-Chlorotoluene	< 8.2	< 8.3	< 8.3	< 8.3	< 880	< 0.83	< 93	**0.88**	< 8.3	< 8.3
2-Hexanone	**0.7**	**0.8**	**3.3**	**1.5**	< 880	**0.48**	< 92	< 8.2	< 8.2	< 8.2
2-Methylbutane	**44**	**35**	< 5.9	< 5.9	**470**	**0.61**	< 66	< 5.9	< 5.9	< 5.9
2-Methylnaphthalene	< 59	< 58	< 58	< 58	< 6200	< 64	< 650	< 58	< 58	< 58
2-Methylpentane	**8**	**6.5**	< 2.8	< 2.8	**63**	**0.15**	< 32	< 2.8	< 2.8	< 2.8
2-Propanol	< 20	**5**	**4**	**3.3**	< 2100	**4.5**	< 220	**5.9**	< 20	**2.7**
4-Ethyltoluene	**2**	**3.4**	**2.1**	**1.2**	< 840	**2.2**	< 88	**1.7**	< 7.9	**1.3**
4-Methyl-2-pentanone (MIBK)	< 8.1	< 8.2	< 8.2	< 8.2	< 870	**0.64**	< 92	< 8.2	< 8.2	< 8.2
Acetone	< 47	< 48	**17**	< 48	< 5100	**13**	< 530	**17**	< 48	< 48
Benzene	**1.1**	**2.2**	**1.1**	**3.5**	**32**	**2.9**	**3.4**	**0.47**	**0.61**	**0.56**
Benzyl chloride	< 8.2	< 8.3	< 8.3	< 8.3	< 880	< 0.83	< 93	< 8.3	< 8.3	< 8.3
Bromodichloromethane	< 5.3	**2.4**	< 5.4	< 5.4	< 570	< 0.54	< 60	< 5.4	< 5.4	< 5.4
Bromoform	< 8.2	< 8.3	< 8.3	< 8.3	< 880	**0.48**	< 92	**4.4**	< 8.3	< 8.3
Bromomethane	< 3.1	< 3.1	< 3.1	< 3.1	< 330	< 0.31	< 35	< 3.1	< 3.1	< 3.1
Carbon Disulfide	**25**	**24**	**8**	**1.8**	**78**	**3.3**	< 70	**4**	**3.7**	**3.5**
Carbon Tetrachloride	**0.62**	**0.82**	< 5	< 5	< 540	**0.46**	< 56	< 5	< 5	< 5
Chlorobenzene	**0.85**	**1**	**0.83**	**0.81**	< 390	**0.25**	< 41	**0.98**	**0.79**	**0.73**
Chloroethane	< 2.1	< 2.1	< 2.1	< 2.1	< 230	**0.077**	< 24	< 2.1	< 2.1	< 2.1
Chloroform	**130**	**62**	**9.7**	**5.4**	< 420	**0.9**	**18**	**3.6**	**2.6**	**4.2**
Chloromethane	< 4.1	< 4.1	< 4.1	< 4.1	< 440	**0.330**	< 46	< 4.1	< 4.1	< 4.1
cis-1,2-Dichloroethene	< 3.1	< 3.2	< 3.2	< 3.2	< 340	< 0.32	< 35	< 3.2	< 3.2	< 3.2
cis-1,3-Dichloropropene	< 3.6	< 3.6	< 3.6	< 3.6	< 390	< 0.36	< 41	< 3.6	< 3.6	< 3.6
Cyclohexane	**3.1**	**4.9**	**0.81**	**3.6**	< 730	**5.8**	< 77	**1.4**	**3**	**1.2**
Dibromochloromethane	< 6.8	< 6.8	< 6.8	< 6.8	< 730	< 0.68	< 76	< 6.8	< 6.8	< 6.8
Dichlorodifluoromethane (Freon 12)	< 3.9	**1.9**	**2.1**	**2.4**	< 420	**1.2**	< 44	**1.8**	**2.2**	**2.5**
Ethanol	**160**	**410**	**210**	**190**	< 4000	**460**	< 420	**320**	**50**	**200**
Ethylbenzene	**3.9**	**4.9**	**1.8**	**1.9**	< 370	**1.3**	< 39	**1.8**	**0.93**	**0.96**
Freon TF	< 6.1	< 6.1	< 6.1	< 6.1	< 650	**0.5**	< 69	< 6.1	< 6.1	**0.71**
Heptane	**2.50**	**9.00**	< 8.2	**0.74**	< 880	**0.35**	< 92	< 8.2	< 8.2	< 8.2
Hexachlorobutadiene (C-46)	< 42	< 43	< 43	< 43	< 4600	< 4.3	< 480	< 43	< 43	< 43
Hexane	**11**	**19**	**0.66**	< 7	**110**	**0.35**	< 79	< 7	**0.55**	< 7
Indan	< 3.8	< 3.9	< 3.9	< 3.9	< 410	**1.1**	< 43	< 3.9	< 3.9	< 3.9
Indene	< 7.5	< 7.6	< 7.6	< 7.6	< 810	**0.22**	< 85	< 7.6	< 7.6	< 7.6
m/p-Xylenes	**13**	**10**	**5.2**	**6.2**	< 370	**4.9**	< 39	**5.3**	**2.3**	**3**
Methyl tert-Butyl Ether (MTBE)	< 14	< 14	< 14	< 14	< 1500	< 1.4	< 160	< 14	< 14	< 14
Methylene Chloride (Dichloromethane)	< 14	< 14	< 14	< 14	< 1500	**9.4**	< 160	< 14	< 14	< 14
Naphthalene	< 10	< 10	< 10	< 10	< 1100	**1.7**	< 120	< 10	< 10	< 10
o-Xylene	**5.7**	**5.9**	**2.8**	**3.4**	< 370	**2.6**	< 39	**2.7**	**1.2**	**1.4**
Propene	< 17	**140**	< 17	< 17	< 1800	**2.3**	< 190	< 17	< 17	< 17
Styrene	< 3.4	**1.4**	< 3.4	< 3.4	< 360	**0.4**	< 38	< 3.4	< 3.4	< 3.4
Tetrachloroethene (PCE)	**610**	**58**	**73**	**30**	**82**	**20**	**150**	**26**	**8.1**	**32**
Tetrahydrofuran	< 12	< 12	< 12	< 12	< 1300	< 1.2	< 130	< 12	< 12	< 12
Thiophene	< 2.7	< 2.8	< 2.8	< 2.8	< 290	< 0.27	< 31	< 2.8	< 2.8	< 2.8
Toluene	**13**	**84**	**7**	**4.1**	< 480	**4.8**	< 51	**4.8**	< 4.5	< 4.5
trans-1,2-Dichloroethene	< 3.1	< 3.2	< 3.2	< 3.2	< 340	**0.38**	< 35	< 3.2	< 3.2	**0.38**
trans-1,3-Dichloropropene	< 3.6	< 3.6	< 3.6	< 3.6	< 390	< 0.36	< 41	< 3.6	< 3.6	< 3.6
Trichloroethene (TCE)	**57**	**150**	**62**	**0.87**	< 230	**0.31**	**3500**	**22**	< 2.1	< 2.1
Trichlorofluoromethane (Freon 11)	**2.7**	**3.2**	**2**	**1.5**	< 480	**1.5**	**14**	**1.6**	**1.4**	**1.9**
Vinyl Chloride	< 1	< 1	< 1	< 1	< 110	< 0.1	< 11	< 1	< 1	< 1
Total VOCs	**1112.36**	**1074.22**	**434.9**	**281.12**	**21896**	**576.837**	**3704.2**	**451.63**	**82.98**	**270**
Helium (%v/v)										
Helium	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12

Notes: µg/m³ - micrograms per cubic meter
%v/v - percent volume per volume
NS - Analyte was not measured because it was not part of the QAPP target compound list.
Detected concentration are in **bold.**

Figures



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Site Location Map
National Grid
Flatbush Station A&B Former Gas Holder Site
Brooklyn, NY

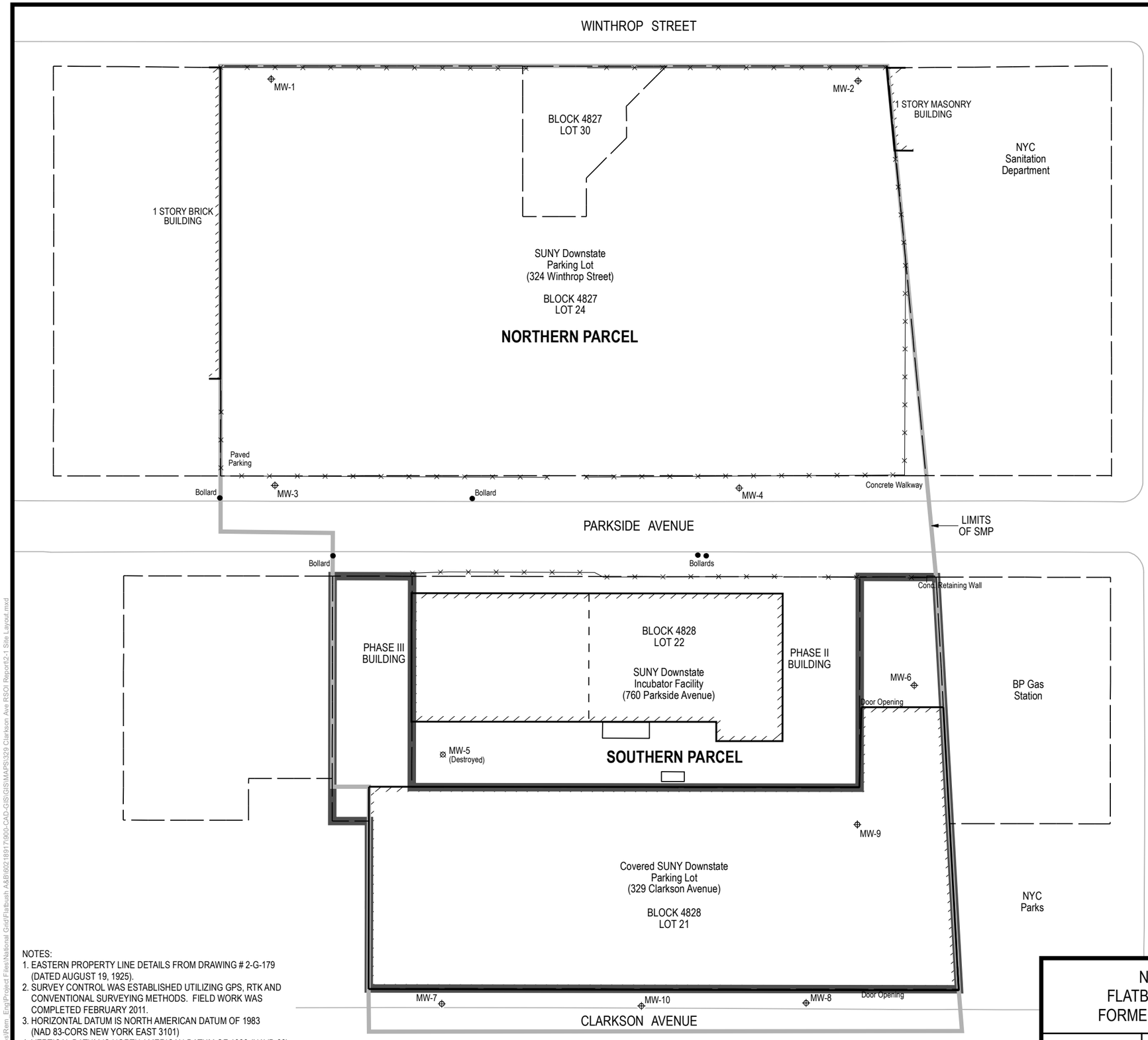
Data Source: USGS Topographic Quadrangle - Brooklyn, 2009

Scale:	Date:	Project Number:
1 in = 2,000 ft	January 2022	60625627.500

Figure Number:

1-1

P:\Jobs\Rem_Eng\Project Files\National Grid\Flatbush A&B\60218917\900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\1-1 Site Location.mxd



AECOM

Legend

- Monitoring Well
- Destroyed Monitoring Well
- Curb Line
- Fence
- Property Boundary
- Limits of Site Management Plan (SMP)
- Existing Building
- 329 Clarkson Ave Property Boundary

Note: Monitoring Well, MW-5, was destroyed during Phase III construction.

N

60 0 60

Feet

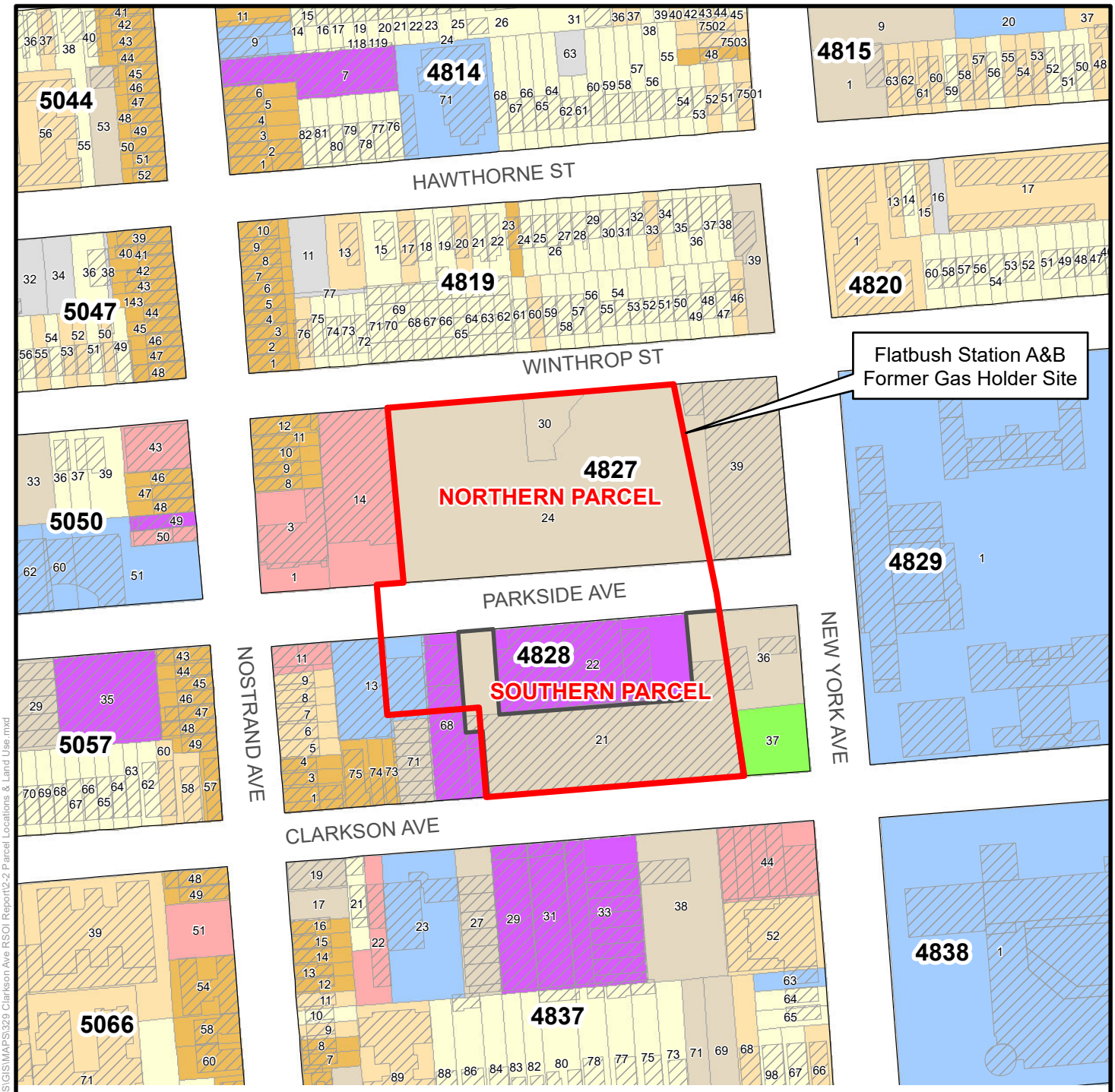
NOTES:
1. EASTERN PROPERTY LINE DETAILS FROM DRAWING # 2-G-179 (DATED AUGUST 19, 1925).
2. SURVEY CONTROL WAS ESTABLISHED UTILIZING GPS, RTK AND CONVENTIONAL SURVEYING METHODS. FIELD WORK WAS COMPLETED FEBRUARY 2011.
3. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83-CORS NEW YORK EAST 3101)
4. VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD 88)

NATIONAL GRID
FLATBUSH STATION A & B
FORMER GAS HOLDER SITE

SITE LAYOUT

DATE: January 2022	DRAWN: ML	JOB NO: 60218917		FIGURE 2-1

P:\Jobs\Rem Eng\Project Files\National Grid\Flatbush A&B\60218917\900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\2-1 Site Layout.mxd



Legend

- Flatbush Former MGP Site
- Block Boundary
- Building
- 329 Clarkson Ave Property Boundary

Land Use

- One & Two Family Residential
- Multi Family Residential
- Mixed Use
- Commercial
- Industrial and Manufacturing
- Public Facilities and Institutions
- Transportation, Utility and Parking
- Open Space and Outdoor Recreation
- Vacant Lot

Note: Tax Block & Tax Lot files are copyrighted by the New York City Department of City Planning

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Parcel Locations and Land Use
National Grid
Flatbush Station A&B Former Gas Holder Site
Brooklyn, NY

Scale:	Date:	Project Number:
1 in = 200 ft	January 2022	60218917-310

Figure Number:

2-2

P:\Jobs\Rem_Eng\Project Files\National Grid\Flatbush A&B\60218917\900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\2-2 Parcel Locations & Land Use.mxd

WINTHROP STREET

NEW YORK AVENUE

PARKSIDE AVENUE

CLARKSON AVENUE

0.03' Over

1 STORY BRICK BUILDING

Coal Storage

Valve Pit

Valve Pit

Valve Pit

Conveyor

Valve Pit

Exhauster House

Monitor

1 Story Building

1 STORY MASONRY BUILDING

Valve Pit

NYC Sanitation Department

Gas Holder No. 4
Capacity 5,000,000 Cubic Feet
Diameter 191 Feet
Depth 5'3.75" BGS
Height 239 Feet
(1923, 1929, 1951)

SUNY Downstate Parking Lot
(324 Winthrop Street)

Gas Holder No. 3
Capacity 5,000,000 Cubic Feet
Diamter 191 Feet
Depth 5'3.75" BGS
Height 239 Feet
(1923, 1929, 1951)

Carpenter Shop

Wagon Shed

NORTHERN PARCEL

Gas Holder No. 1
(Gasometer)
Capacity 150,000 Cubic Feet
Diameter 72.5 Feet
(1905, 1908)

Stable

Well

Paved Parking

Bollard

Bollard

Concrete Walkway

Stable (1905)

Wagon House (1905)

Pipe Shop (1905)

Oil House (1929, 1951)

Bollard

Bollards

Coop (1905)

1 Story Building Hose Cart (1929, 1951)

Concr. Retaining Wall

Gas Holder No. 2
(Gasometer)
Capacity 1,000,000 Cubic Feet
Diameter 125'9"
Depth 5'3" BGS
(1929, 1951)

Tank 1
Capacity Unknown
Date Unknown

Valve House

Carpenter Shop (1905)
Vacant (1929)
Storage (1951)

SUNY Downstate Incubator Facility
(760 Parkside Avenue)

3 STORY MASONRY BUILDING

BP Gas Station

Door Opening

Vacant (1929)
Storage (1905, 1951)

Exterior Stairs Fire Escape

Cement Storage (1905, 1929) Unknown (1951)

SOUTHERN PARCEL

Generator on Conc. Pad

W.C. (1905)

Engine Exhausters (1905) Unknown (1929, 1951)

Lamp Storage (1905)
Office Storage (1929)
Office (1951)

Meter House (1905)
Unknown (1929)
W.C. (1951)

Coal Shed (1905)

Unknown (1929)

Oil House (1905)

Brick Oil Tank (1905)

Unknown (1929)

Vacant (1929)

Boiler Room Unknown (1951)

Vacant (1929)

Covered SUNY Downstate Parking Lot
(329 Clarkson Avenue)

Boiler House and I.E.P. (1905)
Unknown (1929)
Boiler Room/Vacant
(1951)

Scales (1905)

Unknown Building (1929)
Tank (1951)

NYC Parks

Unknown (1905)

Office (1905)

Office

Gas Tanks (1929, 1951)

Unknown

Office (1929)

Vacant (1929)
Unknown Storage
(1951)

Door Opening

NOTES:
1. FLATBUSH WORKS HOLDER NO. 2 DETAILS FROM BUG DRAWING # 6-B-50 (DATED DECEMBER 22, 1913).
2. MODIFIED FLATBUSH HOLDER DETAILS (HOLDER NO. 3) FROM BUG DRAWINGS # 7-B-19 (DATED DECEMBER 21, 1914).
3. NEW HOLDER AND HOLDER NO. 3 DETAILS FROM DRAWINGS # 2-E-119 (DATED APRIL 12, 1923) AND # 2-G-155 (DATED MAY 14, 1923).
4. EASTERN PROPERTY LINE DETAILS FROM DRAWING # 2-G-179 (DATED AUGUST 19, 1925).
5. THE EARLIEST DATE OF STRUCTURE RECORDED IS SHOWN.
6. SURVEY CONTROL WAS ESTABLISHED UTILIZING GPS, RTK AND CONVENTIONAL SURVEYING METHODS. FIELD WORK WAS COMPLETED FEBRUARY 2011.
7. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83-CORS NEW YORK EAST 3101)
8. VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD 88)

AECOM

Legend

- Historic Structures
  1905 Sanborn Map
- Exhauster House and Holder (No. 3) Details
  From Drawing # 1-E-27
  (Dated October 26, 1909)
- Historic Structures
  1923 Drawing # 6-C-21
  (Dated April 16, 1923)
- Historic Structures
  1929 Sanborn Map
- Historic Structures
  1951 Sanborn Map
- Historic Structures
  Date Unknown
- Approximate Historical Boundary
  1905 Sanborn Map
- Partial Approximate Historical Boundary
  1923 Bug Drawing # 6-C-2
  (Dated April 16, 1923)
- Approximate Historical Boundary
  1929 Sanborn Map
- Approximate Historical Boundary
  1951 Sanborn Map
- Current Features and Property Boundary
- Fence
- Existing Building
- 329 Clarkson Ave Property Boundary

Note:
All historical structures are approximate.
I.E.P. - Independent Electric Plant

N

60 0 60
Feet

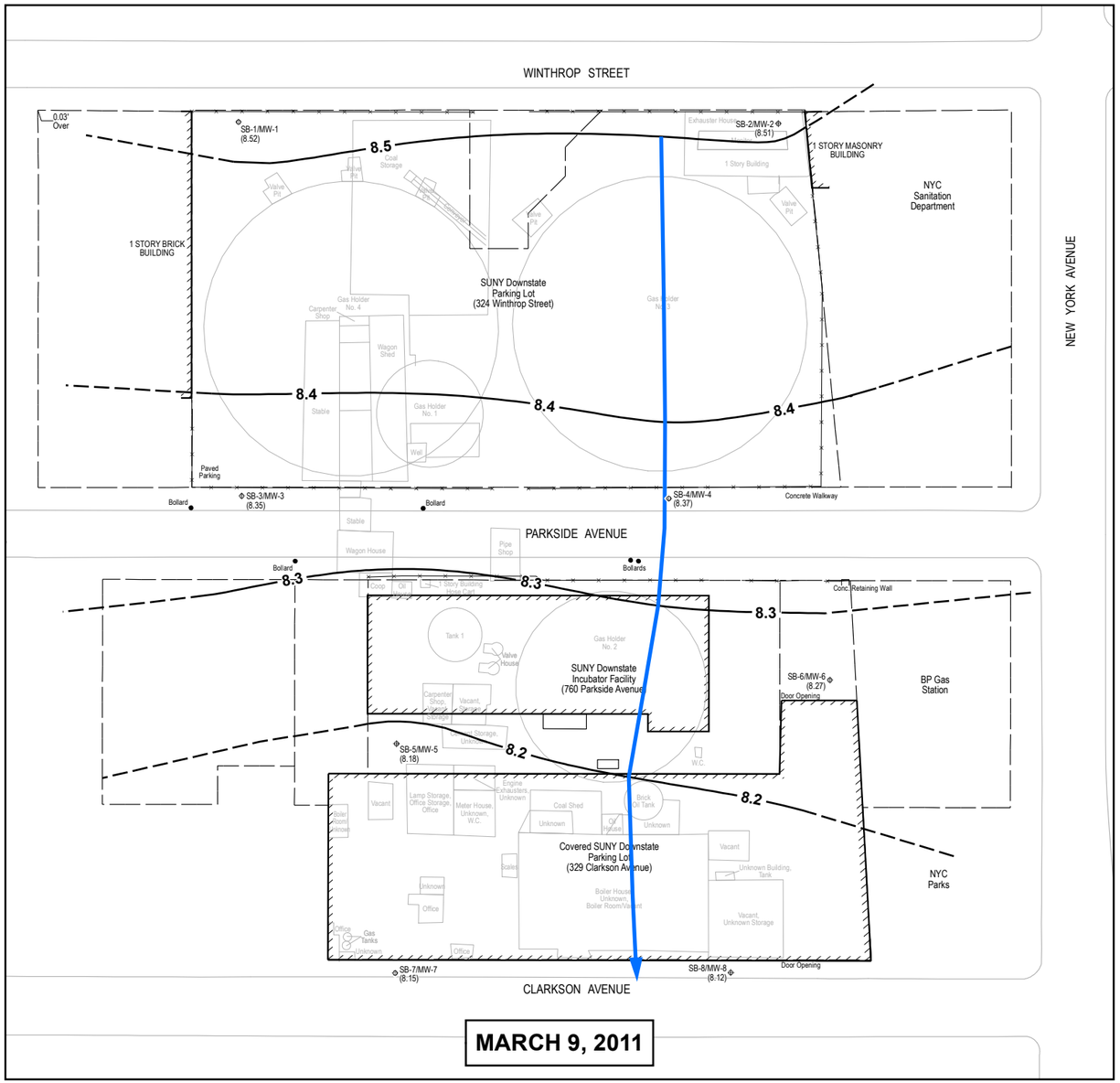
NATIONAL GRID
FLATBUSH STATION A & B
FORMER GAS HOLDER SITE

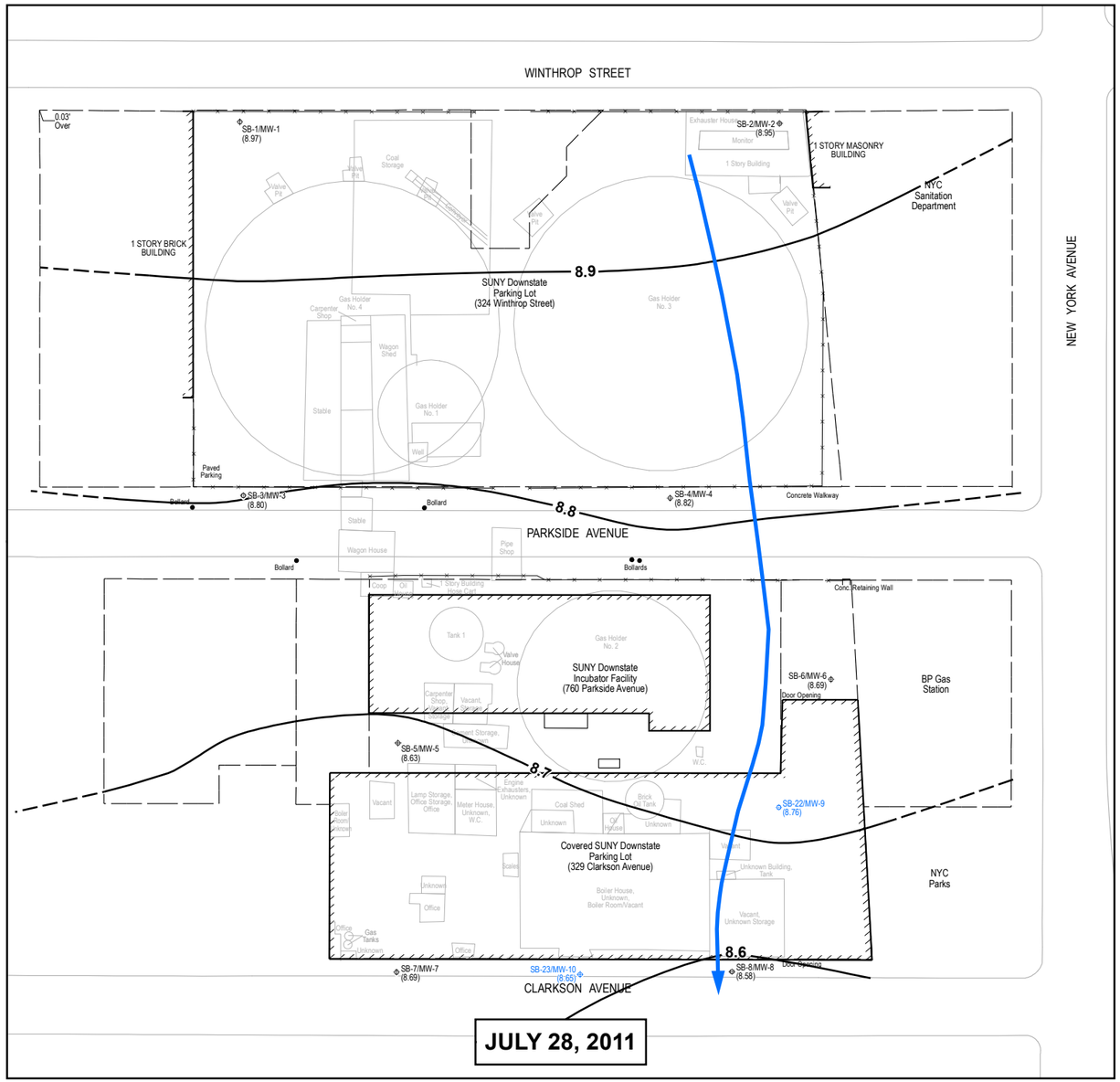
SITE HISTORICAL STRUCTURES AND BOUNDARIES OF FLATBUSH GAS WORKS FACILITY

DATE: January 2022	DRAWN: ML	JOB NO: 60218917		**FIGURE 2-3**

P:\Jobs\Rem Enq\Project Files\National Grid\Flatbush A&B\60218917900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\2-3 Site Historical Structures & Boundaries.mxd

AECOM





NOTES:
1. FLATBUSH WORKS HOLDER NO. 2 DETAILS FROM BUG DRAWING #6-B-50 (DATED DECEMBER 22, 1913).
2. MODIFIED FLATBUSH HOLDER DETAILS (HOLDER NO. 3) FROM BUG DRAWING #7-B-19 (DATED DECEMBER 21, 1914).
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5. THE EARLIEST DATE OF STRUCTURE RECORDED IS SHOWN.
6. SURVEY CONTROL WAS ESTABLISHED UTILIZING GPS, RTK AND CONVENTIONAL SURVEYING METHODS. FIELD WORK WAS COMPLETED FEBRUARY 2011.
7. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83-CORS NEW YORK EAST 3101)
8. VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD 88)
9. TANK ON NORTHWEST CORNER OF 760 PARKSIDE AVENUE DISCOVERED DURING 2013 EXCAVATION ACTIVITIES.

Legend

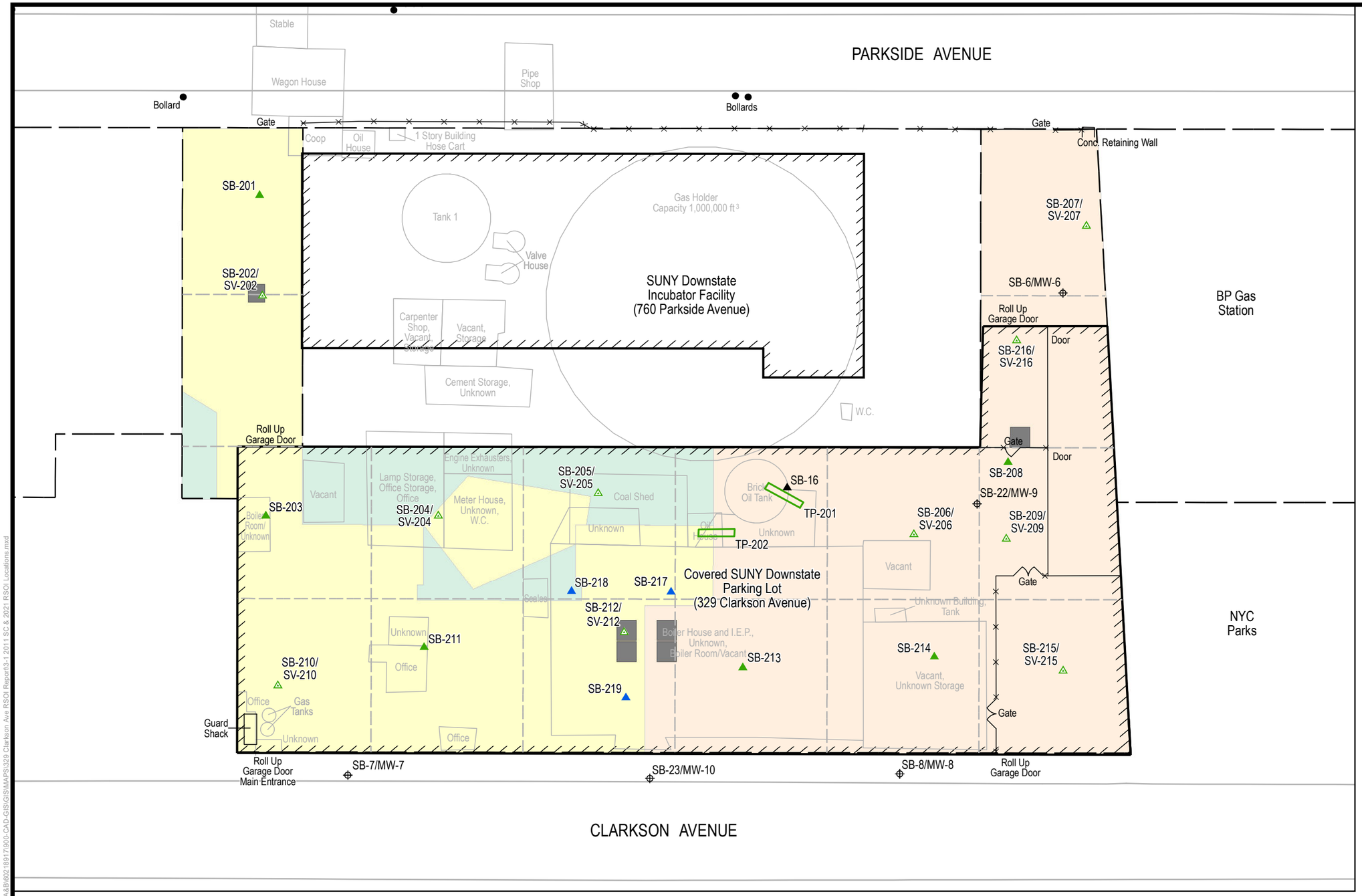
- Site Characterization (SC) Monitoring Well
- SC Addendum Monitoring Well
- MW-3 (8.35) Groundwater Elevation (Feet NAVD 88)
- Direction of Groundwater Flow
- –8.8– Groundwater Contour
- Curb Line
- Current Features and Property Boundary
- Fence
- Historic Structures
- Existing Building

N

60 0 60
Feet

NATIONAL GRID FLATBUSH STATION A & B FORMER GAS HOLDER SITE				2011 GROUNDWATER ELEVATION CONTOURS
DATE: January 2022	DRAWN: ML	JOB NO: 60625627.500		FIGURE 2-4

P:\Jobs\Rem_Eng\Project Files\National Grid\Flatbush A&B\60218917900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\2-4 2011 Groundwater Elevation Contours.mxd



Legend

- 2021 RSOI Step Out Soil Boring
- 2021 RSOI Soil Boring
- 2021 RSOI Soil Boring and Soil Vapor Point
- 2011 SC Soil Boring
- 2011 SC Monitoring Well
- 60 foot Grid Boundary
- Current Features and Property Boundary
- Fence
- Historic Structures
- Existing Building
- RSOI Test Pit
- Approximate location of Elavator Pit. Excavation depth of approximately 25 ft bgs expected by CAMBA.
- Excavation depth of approximately 18.5 ft bgs expected by CAMBA.
- Excavation depth of approximately 17 ft bgs expected by CAMBA.
- Excavation depth of approximately 14.2-14.5 ft bgs expected by CAMBA.

N

40 0 40

Feet

NOTES:
1. FLATBUSH WORKS HOLDER NO. 2 DETAILS FROM BUG DRAWING # 6-B-50 (DATED DECEMBER 22, 1913).
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6. SURVEY CONTROL WAS ESTABLISHED UTILIZING GPS, RTK AND CONVENTIONAL SURVEYING METHODS. FIELD WORK WAS COMPLETED FEBRUARY 2011.
7. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83-CORS NEW YORK EAST 3101)
8. VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD 88)
9. POSITION OF 2011 SC SOIL BORINGS AND WELLS WERE SURVEYED IN JULY 2011 BY CT MALE ASSOCIATES, INC. OF NY.
10. POSITION OF 2021 RSOI SOIL BORINGS, SOIL VAPOR POINTS, AND TEST PITS WERE SURVEYED IN SEPTEMBER 2021 BY GEOD CORPORATION OF NJ.

ACRONYMS:
ft bgs - Feet Below Ground Surface
I.E.P. - Independent Electric Plant
SC - Site Characterization
RSOI - Remedial System Optimization Investigation

NATIONAL GRID
FLATBUSH STATION A & B
FORMER GAS HOLDER SITE

2011 SITE CHARACTERIZATION AND 2021 REMEDIAL SYSTEM OPTIMIZATION INVESTIGATION LOCATIONS AT 329 CLARKSON AVENUE

DATE: April 2022 | DRAWN: ML | JOB NO: 60218917 | **FIGURE 3-1**

P:\Jobs\Rem_Eng\Project Files\National Grid\Flatbush A&B\60218917\900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\3-1 2011 SC & 2021 RSOI Locations.mxd

PARKSIDE AVENUE

CLARKSON AVENUE

Stable
Wagon House
Pipe Shop
Bollard
Bollards
Gate
Coop
Oil House
1 Story Building Hose Cart
Conc. Retaining Wall
Tank 1
Gas Holder Capacity 1,000,000 ft³
Valve House
SUNY Downstate Incubator Facility (760 Parkside Avenue)
Carpenter Shop, Vacant, Storage
Vacant, Storage
Cement Storage, Unknown
W.C.
BP Gas Station
Roll Up Garage Door
Door
Engine Exhausters, Unknown
Lamp Storage, Office Storage, Office
Meter House, Unknown, W.C.
Vacant
Boiler Room/ Unknown
Coal Shed
Brick Oil Tank
Oil Heater
Unknown
Vacant
Covered SUNY Downstate Parking Lot (329 Clarkson Avenue)
Sealed
Unknown
Office
Boiler House and I.E.P., Unknown, Boiler Room/Vacant
Unknown Building, Tank
Vacant, Unknown Storage
Office
Gas Tanks
Guard Shack
NYC Parks

SB-201
108.1 PPM [8-9']
SB-202/ SV-202
SB-203
SB-204/ SV-204
SB-205/ SV-205
SB-16 {1.5-1.8'}
TP-201 {2.5-3.5'}
TP-202 {1.5'}
SB-206/ SV-206
SB-207/ SV-207
102.2 PPM [8-9']
SB-6/MW-6 {2-4'}
SB-216/ SV-216
SB-208
SB-22/MW-9 {1.5-1.8'}
SB-209/ SV-209
101.7 PPM [9-10']
SB-218 {9.5-10'}
SB-217 {5.5-6'}
SB-212/SV-212 (9.5-10') 692 PPM [9.5-10'] 607.5 PPM [12-12.5']
SB-211
114.8 PPM [18.5-19.5']
SB-210/ SV-210
124.2 PPM [9-10']
SB-213
SB-214
SB-215/ SV-215
SB-219
SB-7/MW-7 {3-3.5'}
SB-23/MW-10 {2-2.4'}
SB-8/MW-8

Legend

- 2021 RSOI Step Out Soil Boring
- 2021 RSOI Soil Boring
- 2021 RSOI Soil Boring and Soil Vapor Point
- 2011 SC Soil Boring
- 2011 SC Monitoring Well
- 60 foot Grid Boundary
- Current Features and Property Boundary
- Fence
- Historic Structures
- Existing Building
- RSOI Test Pit
- Approximate location of Elavator Pit. Excavation depth of approximately 25 ft bgs expected by CAMBA.
- Excavation depth of approximately 18.5 ft bgs expected by CAMBA.
- Excavation depth of approximately 17 ft bgs expected by CAMBA.
- Excavation depth of approximately 14.2-14.5 ft bgs expected by CAMBA.
- No Observed Impacts
- Industrial Impacts - (Petroleum or Other Unnatural) Staining and Odors
- (9.5-10') Depth of Observed Impact
- {7-8.5'} Depth of Observed Concrete Slab
- 101.7 PPM [9-10'] PID Headspace Screening >100 PPM and Depth Interval

N

40 0 40
Feet

NOTES:
1. FLATBUSH WORKS HOLDER NO. 2 DETAILS FROM BUG DRAWING # 6-B-50 (DATED DECEMBER 22, 1913).
2. MODIFIED FLATBUSH HOLDER DETAILS (HOLDER NO. 3) FROM BUG DRAWINGS # 7-B-19 (DATED DECEMBER 21, 1914).
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5. THE EARLIEST DATE OF STRUCTURE RECORDED IS SHOWN.
6. SURVEY CONTROL WAS ESTABLISHED UTILIZING GPS, RTK AND CONVENTIONAL SURVEYING METHODS. FIELD WORK WAS COMPLETED FEBRUARY 2011.
7. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83-CORS NEW YORK EAST 3101)
8. VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD 88)
9. POSITION OF 2011 SC SOIL BORINGS AND WELLS WERE SURVEYED IN JULY 2011 BY CT MALE ASSOCIATES, INC. OF NY.
10. POSITION OF 2021 RSOI SOIL BORINGS, SOIL VAPOR POINTS, AND TEST PITS WERE SURVEYED IN SEPTEMBER 2021 BY GEOD CORPORATION OF NJ.

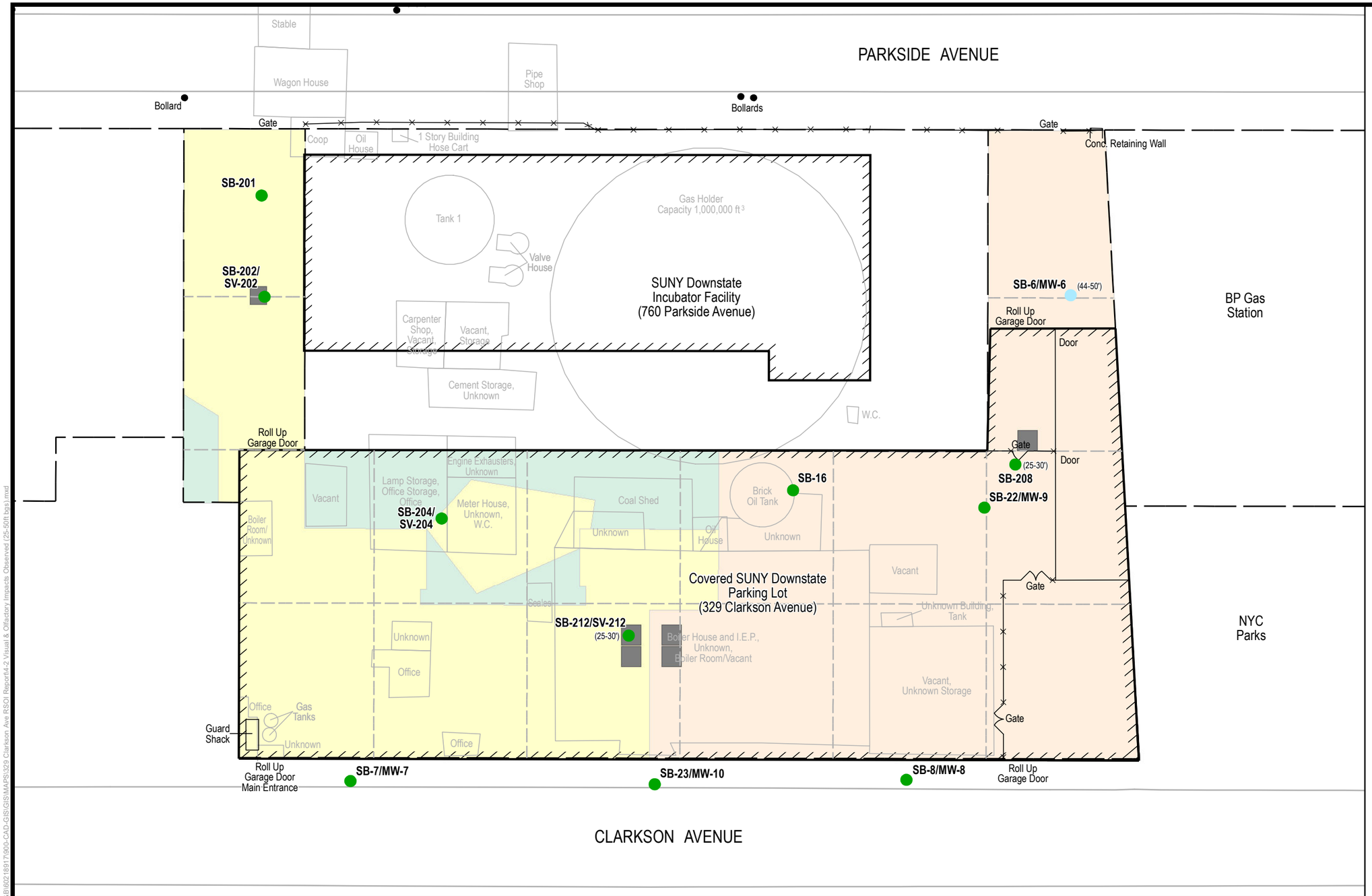
ACRONYMS:
ft bgs - Feet Below Ground Surface
I.E.P. - Independent Electric Plant
PID - Photo-Ionization Detector
PPM - Part Per Million
RSOI - Remedial System Optimization Investigation
SC - Site Characterization

NATIONAL GRID
FLATBUSH STATION A & B
FORMER GAS HOLDER SITE

VISUAL AND OLFACTORY IMPACTS OBSERVED FROM 0-25 FEET BELOW GROUND SURFACE

DATE: February 2022 | DRAWN: ML | JOB NO: 60218917 | **FIGURE 4-1**

P:\Jobs\Rem Eng\Project Files\National Grid\Flatbush A&B\60218917900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\4-1 Visual & Olfactory Impacts Observed (0-25ft bgs).mxd



Legend

- 2021 RSOI Step Out Soil Boring
- 2021 RSOI Soil Boring
- 2021 RSOI Soil Boring and Soil Vapor Point
- 2011 SC Soil Boring
- 2011 SC Monitoring Well
- 60 foot Grid Boundary
- Current Features and Property Boundary
- Fence
- Historic Structures
- Existing Building
- RSOI Test Pit
- Approximate location of Elavator Pit. Excavation depth of approximately 25 ft bgs expected by CAMBA.
- Excavation depth of approximately 18.5 ft bgs expected by CAMBA.
- Excavation depth of approximately 17 ft bgs expected by CAMBA.
- Excavation depth of approximately 14.2-14.5 ft bgs expected by CAMBA.
- No Observed Impacts
- Industrial Impacts - (Petroleum or Other Unnatural) Staining and Odors
- (44-50') Depth of Observed Impact

N

40 0 40

Feet

NOTES:
1. FLATBUSH WORKS HOLDER NO. 2 DETAILS FROM BUG DRAWING # 6-B-50 (DATED DECEMBER 22, 1913).
2. MODIFIED FLATBUSH HOLDER DETAILS (HOLDER NO. 3) FROM BUG DRAWINGS # 7-B-19 (DATED DECEMBER 21, 1914).
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5. THE EARLIEST DATE OF STRUCTURE RECORDED IS SHOWN.
6. SURVEY CONTROL WAS ESTABLISHED UTILIZING GPS, RTK AND CONVENTIONAL SURVEYING METHODS. FIELD WORK WAS COMPLETED FEBRUARY 2011.
7. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83-CORS NEW YORK EAST 3101)
8. VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD 88)
9. POSITION OF 2011 SC SOIL BORINGS AND WELLS WERE SURVEYED IN JULY 2011 BY CT MALE ASSOCIATES, INC. OF NY.
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ACRONYMS:
ft bgs - Feet Below Ground Surface
I.E.P. - Independent Electric Plant
PID - Photo-Ionization Detector
PPM - Part Per Million
RSOI - Remedial System Optimization Investigation
SC - Site Characterization

NATIONAL GRID
FLATBUSH STATION A & B
FORMER GAS HOLDER SITE

VISUAL AND OLFACTORY IMPACTS OBSERVED FROM 25-50 FEET BELOW GROUND SURFACE

DATE: February 2022 | DRAWN: ML | JOB NO: 60218917 | **FIGURE 4-2**

P:\Jobs\Rem_Eng\Project Files\National Grid\Flatbush A&B\60218917\900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\4-2 Visual & Olfactory Impacts Observed (25-50ft bgs).mxd

PARKSIDE AVENUE

CLARKSON AVENUE

Stable
Wagon House
Pipe Shop
Bollard
Bollards
Gate
Coop
Oil House
1 Story Building Hose Cart
Conc. Retaining Wall
SB-201
SB-202/ SV-202
Tank 1
Gas Holder Capacity 1,000,000 ft³
Valve House
SUNY Downstate Incubator Facility (760 Parkside Avenue)
Carpenter Shop, Vacant, Storage
Vacant, Storage
Cement Storage, Unknown
W.C.
BP Gas Station
SB-6/MW-6
(50-69')
(71.5-74')
Roll Up Garage Door
Door
Gate
Roll Up Garage Door
Engine Exhausters, Unknown
Vacant
Lamp Storage, Office Storage, Office
SB-204/ SV-204
Meter House, Unknown, W.C.
Boiler Room/ Unknown
Coal Shed
Brick Oil Tank
SB-16
SB-22/MW-9
(62.5-95')
149.6 PPM [80-82.5']
Unknown
Oil House
Unknown
Covered SUNY Downstate Parking Lot (329 Clarkson Avenue)
Vacant
Gate
Sealed
Unknown Building, Tank
NYC Parks
Unknown
Office
Boiler House and I.E.P., Unknown, Boiler Room/Vacant
Vacant, Unknown Storage
Gate
Office
Gas Tanks
Guard Shack
Unknown
Office
Roll Up Garage Door Main Entrance
SB-7/MW-7
SB-23/MW-10
(58-65')
(68-73')
(75-95')
SB-8/MW-8
(55-64')
Roll Up Garage Door

Legend

- 2021 RSOI Step Out Soil Boring
- 2021 RSOI Soil Boring
- 2021 RSOI Soil Boring and Soil Vapor Point
- 2011 SC Soil Boring
- 2011 SC Monitoring Well
- 60 foot Grid Boundary
- Current Features and Property Boundary
- Fence
- Historic Structures
- Existing Building
- RSOI Test Pit
- Approximate location of Elavator Pit. Excavation depth of approximately 25 ft bgs expected by CAMBA.
- Excavation depth of approximately 18.5 ft bgs expected by CAMBA.
- Excavation depth of approximately 17 ft bgs expected by CAMBA.
- Excavation depth of approximately 14.2-14.5 ft bgs expected by CAMBA.
- No Observed Impacts
- Industrial Impacts - (Petroleum or Other Unnatural) Staining and Odors
- Naphthalene-Like Staining and/or Odor
- (50-69') Depth of Observed Impact
- 149.6 PPM [80-82'] PID Headspace Screening >100 PPM and Depth Interval

N

40 0 40
Feet

NOTES:
1. FLATBUSH WORKS HOLDER NO. 2 DETAILS FROM BUG DRAWING # 6-B-50 (DATED DECEMBER 22, 1913).
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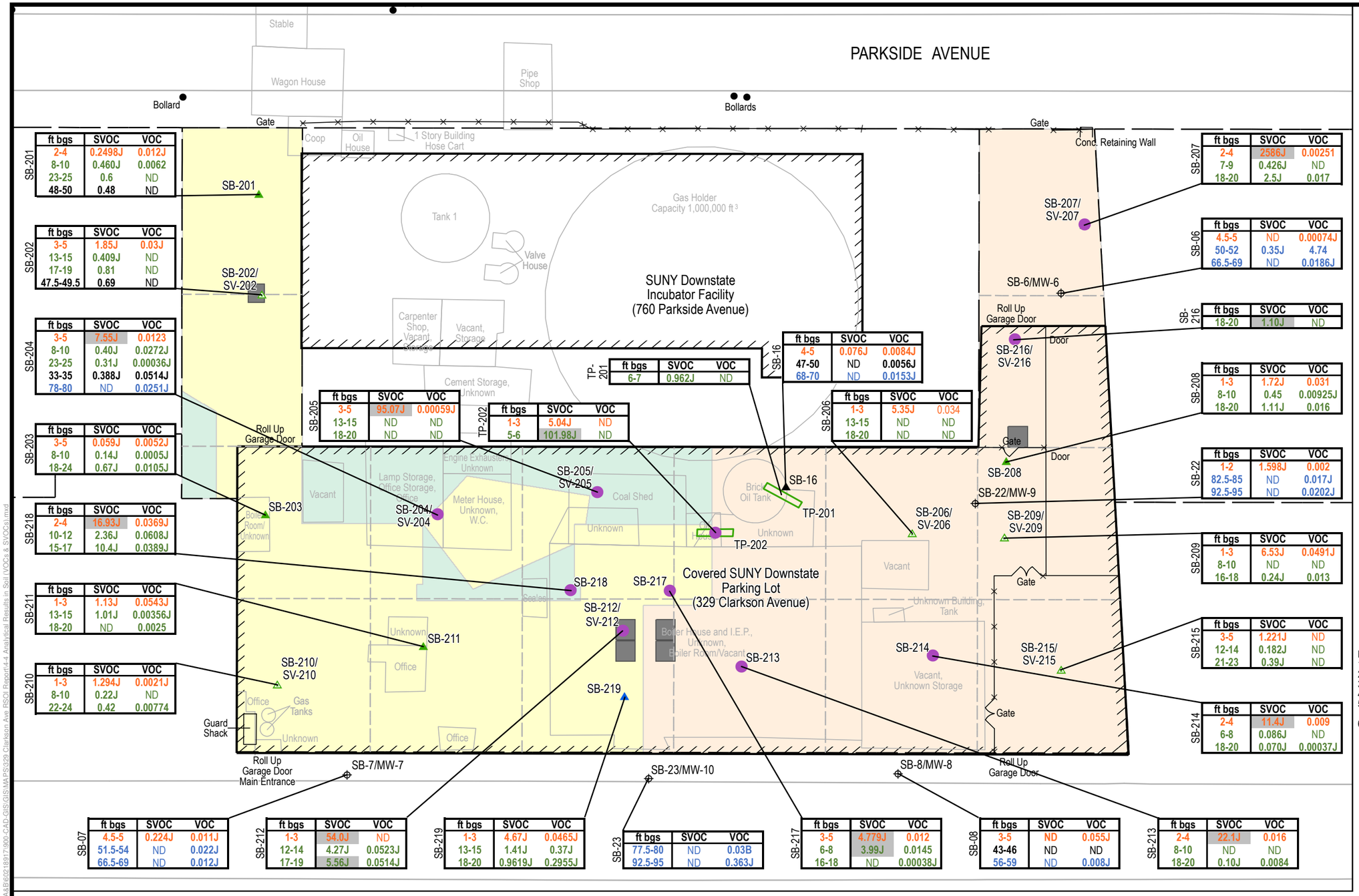
ACRONYMS:
ft bgs - Feet Below Ground Surface
I.E.P. - Independent Electric Plant
PID - Photo-Ionization Detector
PPM - Part Per Million
RSOI - Remedial System Optimization Investigation
SC - Site Characterization

NATIONAL GRID
FLATBUSH STATION A & B
FORMER GAS HOLDER SITE

VISUAL AND OLFACTORY IMPACTS OBSERVED FROM 50-85+ FEET BELOW GROUND SURFACE

DATE: February 2022 | DRAWN: ML | JOB NO: 60218917 | **FIGURE 4-3**

P:\Jobs\Rem_Eng\Project Files\National Grid\Flatbush A&B\60218917900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\4-3 Visual & Olfactory Impacts Observed (50-85+ft bgs).mxd



SB-201	ft bgs	SVOC	VOC
	2-4	0.2498J	0.012J
	8-10	0.460J	0.0062
	23-25	0.6	ND
	48-50	0.48	ND

SB-202	ft bgs	SVOC	VOC
	3-5	1.85J	0.03J
	13-15	0.409J	ND
	17-19	0.81	ND
	47.5-49.5	0.69	ND

SB-204	ft bgs	SVOC	VOC
	3-5	7.55J	0.0123
	8-10	0.40J	0.0272J
	23-25	0.31J	0.00036J
	33-35	0.388J	0.0514J
	78-80	ND	0.0251J

SB-203	ft bgs	SVOC	VOC
	3-5	0.059J	0.0052J
	8-10	0.14J	0.0005J
	18-24	0.67J	0.0105J

SB-218	ft bgs	SVOC	VOC
	2-4	16.93J	0.0369J
	10-12	2.36J	0.0608J
	15-17	10.4J	0.0389J

SB-211	ft bgs	SVOC	VOC
	1-3	1.13J	0.0543J
	13-15	1.01J	0.00356J
	18-20	ND	0.0025

SB-210	ft bgs	SVOC	VOC
	1-3	1.294J	0.0021J
	8-10	0.22J	ND
	22-24	0.42	0.00774

SB-205	ft bgs	SVOC	VOC
	3-5	95.07J	0.00059J
	13-15	ND	ND
	18-20	ND	ND

TP-201	ft bgs	SVOC	VOC
	6-7	0.962J	ND

TP-202	ft bgs	SVOC	VOC
	1-3	5.04J	ND
	5-6	101.98J	ND

SB-16	ft bgs	SVOC	VOC
	4-5	0.076J	0.0084J
	47-50	ND	0.0056J
	68-70	ND	0.0153J

SB-206	ft bgs	SVOC	VOC
	1-3	5.35J	0.034
	13-15	ND	ND
	18-20	ND	ND

SB-207	ft bgs	SVOC	VOC
	2-4	2586J	0.00251
	7-9	0.426J	ND
	18-20	2.5J	0.017

SB-06	ft bgs	SVOC	VOC
	4.5-5	ND	0.00074J
	50-52	0.35J	4.74
	66.5-69	ND	0.0186J

SB-216	ft bgs	SVOC	VOC
	18-20	1.10J	ND

SB-208	ft bgs	SVOC	VOC
	1-3	1.72J	0.031
	8-10	0.45	0.00925J
	18-20	1.11J	0.016

SB-22	ft bgs	SVOC	VOC
	1-2	1.598J	0.002
	82.5-85	ND	0.017J
	92.5-95	ND	0.0202J

SB-209	ft bgs	SVOC	VOC
	1-3	6.53J	0.0491J
	8-10	ND	ND
	16-18	0.24J	0.013

SB-215	ft bgs	SVOC	VOC
	3-5	1.221J	ND
	12-14	0.182J	ND
	21-23	0.39J	ND

SB-214	ft bgs	SVOC	VOC
	2-4	11.4J	0.009
	6-8	0.086J	ND
	18-20	0.070J	0.00037J

SB-07	ft bgs	SVOC	VOC
	4.5-5	0.224J	0.011J
	51.5-54	ND	0.022J
	66.5-69	ND	0.012J

SB-212	ft bgs	SVOC	VOC
	1-3	54.0J	ND
	12-14	4.27J	0.0523J
	17-19	5.56J	0.0514J

SB-219	ft bgs	SVOC	VOC
	1-3	4.67J	0.0465J
	13-15	1.41J	0.37J
	18-20	0.9619J	0.2955J

SB-23	ft bgs	SVOC	VOC
	77.5-80	ND	0.03B
	92.5-95	ND	0.363J

SB-217	ft bgs	SVOC	VOC
	3-5	4.779J	0.012
	6-8	3.99J	0.0145
	16-18	ND	0.00038J

SB-08	ft bgs	SVOC	VOC
	3-5	ND	0.055J
	43-46	ND	ND
	56-59	ND	0.008J

SB-213	ft bgs	SVOC	VOC
	2-4	22.1J	0.016
	8-10	ND	ND
	18-20	0.10J	0.0084

AECOM

Legend

- 2021 RSOI Step Out Soil Boring
- 2021 RSOI Soil Boring
- 2021 RSOI Soil Boring and Soil Vapor Point
- 2011 SC Soil Boring
- 2011 SC Monitoring Well
- 60 foot Grid Boundary
- Current Features and Property Boundary
- Fence
- Historic Structures
- Existing Building
- RSOI Test Pit
- Approximate location of Elavator Pit. Excavation depth of approximately 25 ft bgs expected by CAMBA.
- Excavation depth of approximately 18.5 ft bgs expected by CAMBA.
- Excavation depth of approximately 17 ft bgs expected by CAMBA.
- Excavation depth of approximately 14.2-14.5 ft bgs expected by CAMBA.
- Investigation Location with one or more constituents at concentrations above the NYSDEC Restricted Residential Standards

Notes:
1. Concentrations in orange were collected between 0 and 5 ft bgs
2. Concentrations in green were collected between 5 and 25 ft bgs
3. Concentrations in **black** were collected between 25 and 50 ft bgs
4. Concentrations in blue were collected the water table (approximately 50 ft bgs)
5. Concentrations shaded gray contain one or more constituents at concentrations above the NYSDEC Restricted Residential Standards.
6. All concentrations in milligram per kilogram (mg/kg)

N

40 0 40

Feet

NOTES:
1. FLATBUSH WORKS HOLDER NO. 2 DETAILS FROM BUG DRAWING # 6-B-50 (DATED DECEMBER 22, 1913).
2. MODIFIED FLATBUSH HOLDER DETAILS (HOLDER NO. 3) FROM BUG DRAWINGS # 7-B-19 (DATED DECEMBER 21, 1914).
3. NEW HOLDER AND HOLDER NO. 3 DETAILS FROM DRAWINGS # 2-E-119 (DATED APRIL 12, 1923) AND # 2-G-155 (DATED MAY 14, 1923).
4. EASTERN PROPERTY LINE DETAILS FROM DRAWING # 2-G-179 (DATED AUGUST 19, 1925).
5. THE EARLIEST DATE OF STRUCTURE RECORDED IS SHOWN.
6. SURVEY CONTROL WAS ESTABLISHED UTILIZING GPS, RTK AND CONVENTIONAL SURVEYING METHODS. FIELD WORK WAS COMPLETED FEBRUARY 2011.
7. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83-CORS NEW YORK EAST 3101)
8. VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD 88)
9. POSITION OF 2011 SC SOIL BORINGS AND WELLS WERE SURVEYED IN JULY 2011 BY CT MALE ASSOCIATES, INC. OF NY.
10. POSITION OF 2021 RSOI SOIL BORINGS, SOIL VAPOR POINTS, AND TEST PITS WERE SURVEYED IN SEPTEMBER 2021 BY GEOD CORPORATION OF NJ.

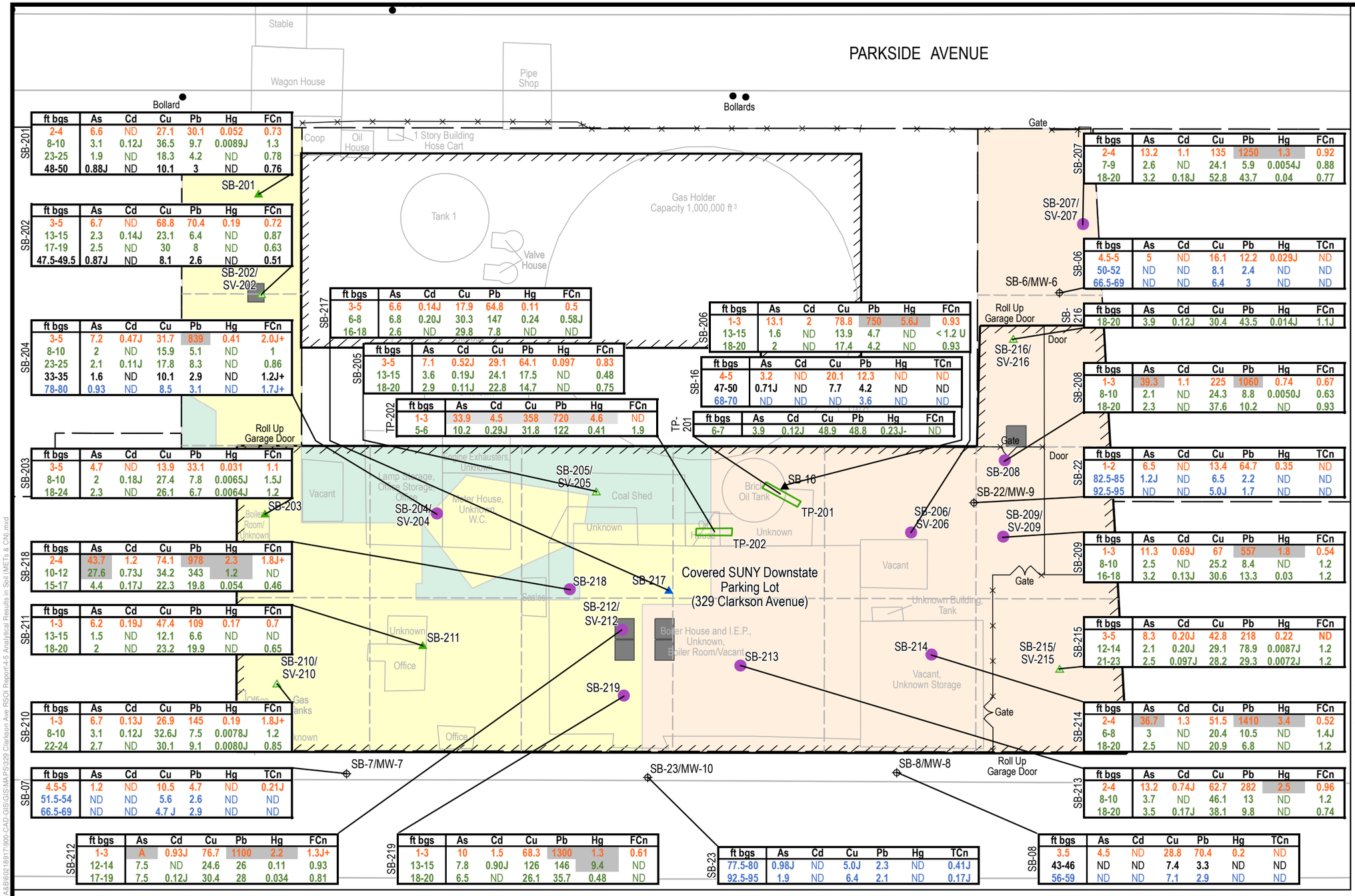
ACRONYMS:
ft bgs - Feet Below Ground Surface
I.E.P. - Independent Electric Plant
J - Estimated Value (J- biased low and J+ biased high)
ND - Non Detect
RSOI - Remedial System Optimization Investigation
SC - Site Characterization
SVOC - Semivolatile Organic Carbon
VOC - Volatile Organic Carbon

NATIONAL GRID
FLATBUSH STATION A & B
FORMER GAS HOLDER SITE

TOTAL VOC AND SVOC ANALYTICAL RESULTS IN SOIL 2021 REMEDIAL SYSTEM OPTIMIZATION INVESTIGATION

DATE: April 2022 | DRAWN: ML | JOB NO: 60218917 | FIGURE 4-4

P:\Jobs\Rem_Eng\Project Files\National Grid\Flatbush A&B\60218917\900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\4-4 Analytical Results in Soil VOCs & SVOCs\Soil VOCs & SVOCs.mxd



SB-201

ft bgs	As	Cd	Cu	Pb	Hg	FCn
2-4	6.6	ND	27.1	30.1	0.052	0.73
8-10	3.1	0.12J	36.5	9.7	0.0089J	1.3
23-25	1.9	ND	18.3	4.2	ND	0.78
48-50	0.88J	ND	10.1	3	ND	0.76

SB-202

ft bgs	As	Cd	Cu	Pb	Hg	FCn
3-5	6.7	ND	68.8	70.4	0.19	0.72
13-15	2.3	0.14J	23.1	6.4	ND	0.87
17-19	2.5	ND	30	8	ND	0.63
47.5-49.5	0.87J	ND	8.1	2.6	ND	0.51

SB-204

ft bgs	As	Cd	Cu	Pb	Hg	FCn
3-5	7.2	0.47J	31.7	839	0.41	2.0J+
8-10	2	ND	15.9	5.1	ND	1
23-25	2.1	0.11J	17.8	8.3	ND	0.86
33-35	1.6	ND	10.1	2.9	ND	1.2J+
78-80	0.93	ND	8.5	3.1	ND	1.7J+

SB-203

ft bgs	As	Cd	Cu	Pb	Hg	FCn
3-5	4.7	ND	13.9	33.1	0.031	1.1
8-10	2	0.18J	27.4	7.8	0.0065J	1.5J
18-24	2.3	ND	26.1	6.7	0.0064J	1.2

SB-218

ft bgs	As	Cd	Cu	Pb	Hg	FCn
2-4	43.7	1.2	74.1	978	2.3	1.8J+
10-12	27.6	0.73J	34.2	343	1.2	ND
15-17	4.4	0.17J	22.3	19.8	0.054	0.46

SB-211

ft bgs	As	Cd	Cu	Pb	Hg	FCn
1-3	6.2	0.19J	47.4	109	0.17	0.7
13-15	1.5	ND	12.1	6.6	ND	ND
18-20	2	ND	23.2	19.9	ND	0.65

SB-210

ft bgs	As	Cd	Cu	Pb	Hg	FCn
1-3	6.7	0.13J	26.9	145	0.19	1.8J+
8-10	3.1	0.12J	32.6J	7.5	0.0078J	1.2
22-24	2.7	ND	30.1	9.1	0.0080J	0.85

SB-07

ft bgs	As	Cd	Cu	Pb	Hg	TCn
4.5-5	1.2	ND	10.5	4.7	ND	0.21J
51.5-54	ND	ND	5.6	2.6	ND	ND
66.5-69	ND	ND	4.7 J	2.9	ND	ND

SB-212

ft bgs	As	Cd	Cu	Pb	Hg	FCn
1-3	A	0.93J	76.7	1100	2.2	1.3J+
12-14	7.5	ND	24.6	26	0.11	0.93
17-19	7.5	0.12J	30.4	28	0.034	0.81

SB-217

ft bgs	As	Cd	Cu	Pb	Hg	FCn
3-5	6.6	0.14J	17.9	64.8	0.11	0.5
6-8	6.8	0.20J	30.3	147	0.24	0.58J
16-18	2.6	ND	29.8	7.8	ND	ND

SB-205

ft bgs	As	Cd	Cu	Pb	Hg	FCn
3-5	7.1	0.52J	29.1	64.1	0.097	0.83
13-15	3.6	0.19J	24.1	17.5	ND	0.48
18-20	2.9	0.11J	22.8	14.7	ND	0.75

TP-202

ft bgs	As	Cd	Cu	Pb	Hg	FCn
1-3	33.9	4.5	358	720	4.6	ND
5-6	10.2	0.29J	31.8	122	0.41	1.9

SB-206

ft bgs	As	Cd	Cu	Pb	Hg	FCn
1-3	13.1	2	78.8	750	5.6J	0.93
13-15	1.6	ND	13.9	4.7	ND	< 1.2 U
18-20	2	ND	17.4	4.2	ND	0.93

SB-16

ft bgs	As	Cd	Cu	Pb	Hg	TCn
4-5	3.2	ND	20.1	12.3	ND	ND
47-50	0.71J	ND	7.7	4.2	ND	ND
68-70	ND	ND	ND	3.6	ND	ND

TP-201

ft bgs	As	Cd	Cu	Pb	Hg	FCn
6-7	3.9	0.12J	48.9	48.8	0.23J-	ND

SB-219

ft bgs	As	Cd	Cu	Pb	Hg	FCn
1-3	10	1.5	68.3	1300	1.3	0.61
13-15	7.8	0.90J	126	146	9.4	ND
18-20	6.5	ND	26.1	35.7	0.48	ND

SB-23

ft bgs	As	Cd	Cu	Pb	Hg	TCn
77.5-80	0.98J	ND	5.0J	2.3	ND	0.41J
92.5-95	1.9	ND	6.4	2.1	ND	0.17J

SB-207

ft bgs	As	Cd	Cu	Pb	Hg	FCn
2-4	13.2	1.1	135	1250	1.3	0.92
7-9	2.6	ND	24.1	5.9	0.0054J	0.88
18-20	3.2	0.18J	52.8	43.7	0.04	0.77

SB-06

ft bgs	As	Cd	Cu	Pb	Hg	TCn
4.5-5	5	ND	16.1	12.2	0.029J	ND
50-52	ND	ND	8.1	2.4	ND	ND
66.5-69	ND	ND	6.4	3	ND	ND

SB-216

ft bgs	As	Cd	Cu	Pb	Hg	FCn
18-20	3.9	0.12J	30.4	43.5	0.014J	1.1J

SB-208

ft bgs	As	Cd	Cu	Pb	Hg	FCn
1-3	39.3	1.1	225	1060	0.74	0.67
8-10	2.1	ND	24.3	8.8	0.0050J	0.63
18-20	2.3	ND	37.6	10.2	ND	0.93

SB-22

ft bgs	As	Cd	Cu	Pb	Hg	TCn
1-2	6.5	ND	13.4	64.7	0.35	ND
82.5-85	1.2J	ND	6.5	2.2	ND	ND
92.5-95	ND	ND	5.0J	1.7	ND	ND

SB-209

ft bgs	As	Cd	Cu	Pb	Hg	FCn
1-3	11.3	0.69J	67	557	1.8	0.54
8-10	2.5	ND	25.2	8.4	ND	1.2
16-18	3.2	0.13J	30.6	13.3	0.03	1.2

SB-215

ft bgs	As	Cd	Cu	Pb	Hg	FCn
3-5	8.3	0.20J	42.8	218	0.22	ND
12-14	2.1	0.20J	29.1	78.9	0.0087J	1.2
21-23	2.5	0.097J	28.2	29.3	0.0072J	1.2

SB-214

ft bgs	As	Cd	Cu	Pb	Hg	FCn
2-4	36.7	1.3	51.5	1410	3.4	0.52
6-8	3	ND	20.4	10.5	ND	1.4J
18-20	2.5	ND	20.9	6.8	ND	1.2

SB-213

ft bgs	As	Cd	Cu	Pb	Hg	FCn
2-4	13.2	0.74J	62.7	282	2.5	0.96
8-10	3.7	ND	46.1	13	ND	1.2
18-20	3.5	0.17J	38.1	9.8	ND	0.74

SB-08

ft bgs	As	Cd	Cu	Pb	Hg	TCn
3.5	4.5	ND	28.8	70.4	0.2	ND
43-46	ND	ND	7.4	3.3	ND	ND
56-59	ND	ND	7.1	2.9	ND	ND

Legend

- 2021 RSOI Step Out Soil Boring
- 2021 RSOI Soil Boring
- 2021 RSOI Soil Boring and Soil Vapor Point
- 2011 SC Soil Boring
- 2011 SC Monitoring Well
- 60 foot Grid Boundary
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- RSOI Test Pit
- Approximate location of Elavator Pit. Excavation depth of approximately 25 ft bgs expected by CAMBA.
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- Excavation depth of approximately 17 ft bgs expected by CAMBA.
- Excavation depth of approximately 14.2-14.5 ft bgs expected by CAMBA.
- Investigation Location with one or more constituents at concentrations above the NYSDEC Restricted Residential Standards

Notes:
1. Concentrations in orange were collected between 0 and 5 ft bgs
2. Concentrations in green were collected between 5 and 25 ft bgs
3. Concentrations in **black** were collected between 25 and 50 ft bgs
4. Concentrations in blue were collected the water table (approximately 50 ft bgs)
5. Concentrations shaded gray contain one or more constituents at concentrations above the NYSDEC Restricted Residential Standards.
6. All concentrations in milligram per kilogram (mg/kg)

NOTES:
1. FLATBUSH WORKS HOLDER NO. 2 DETAILS FROM BUG DRAWING # 6-B-50 (DATED DECEMBER 22, 1913).
2. MODIFIED FLATBUSH HOLDER DETAILS (HOLDER NO. 3) FROM BUG DRAWINGS # 7-B-19 (DATED DECEMBER 21, 1914).
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ACRONYMS:
ft bgs - Feet Below Ground Surface
I.E.P. - Independent Electric Plant
J - Estimated Value (J- biased low and J+ biased high)
ND - Non Detect
RSOI - Remedial System Optimization Investigation
SC - Site Characterization
As - Arsenic
Cd- Cadmium
Cu - Copper
Pb - Lead
Hg - Mercury
TCn - Total Cyanide
FCn - Free Cyanide

NATIONAL GRID
FLATBUSH STATION A & B
FORMER GAS HOLDER SITE

METALS AND CYANIDE ANALYTICAL RESULTS IN SOIL 2021 REMEDIAL SYSTEM OPTIMIZATION INVESTIGATION

DATE: April 2022 | DRAWN: ML | JOB NO: 60218917 | **FIGURE 4-5**

P:\Jobs\Rem Eng\Project Files\National Grid\Flatbush A&B\60218917\900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\4-5 Analytical Results in Soil (MET's & CN).mxd

Sample ID	SV-202
Sampling Date	10/10/2021
1,1,2-Trichloroethane	0.69
1,2,3-Trimethylbenzene	2.1
1,2,4-Trimethylbenzene	6
1,3,5-Trimethylbenzene	2.6
1,3-Dichlorobenzene	1.4
2,2,4-Trimethylpentane	1.5
2,3-Dimethylpentane	1.1
2-Butanone (MEK)	2.8
2-Hexanone	0.7
2-Methylbutane	44
2-Methylpentane	8
4-Ethyltoluene	2
Benzene	1.1
Carbon Disulfide	25
Carbon Tetrachloride	0.62
Chlorobenzene	0.85
Chloroform	130
Cyclohexane	3.1
Ethanol	160
Ethylbenzene	3.9
Heptane	2.50
Hexane	11
Total Xylenes	18.7
Tetrachloroethene	610
Toluene	13
Trichloroethene	57
Freon 11	2.7
Total VOCs	1112.36

Sample ID	SV-212
Sampling Date	10/10/2021
1,1,1-Trichloroethane	10
1,2,3-Trimethylbenzene	2.2
1,2,4,5-Tetramethylbenzene	2.5
1,2,4-Trimethylbenzene	4.5
1,3,5-Trimethylbenzene	1.9
1,3-Dichlorobenzene	1.4
2-Butanone (MEK)	2.8
2-Chlorotoluene	0.88
2-Propanol	5.9
4-Ethyltoluene	1.7
Acetone	17
Benzene	0.47
Bromoform	4.4
Carbon Disulfide	4
Chlorobenzene	0.98
Chloroform	3.6
Cyclohexane	1.4
Freon 12	1.8
Ethanol	320
Ethylbenzene	1.8
Total Xylenes	8
Tetrachloroethene	26
Toluene	4.8
Trichloroethene	22
Freon 11	1.6
Total VOCs	451.63

Sample ID	SV-205
Sampling Date	10/9/2021
1,2,3-Trimethylbenzene	3
1,2,4,5-Tetramethylbenzene	2.5
1,2,4-Trimethylbenzene	5.2
1,3,5-Trimethylbenzene	2.2
2-Butanone (MEK)	8.6
2-Hexanone	3.3
2-Propanol	4
4-Ethyltoluene	2.1
Acetone	17
Benzene	1.1
Carbon Disulfide	8
Chlorobenzene	0.83
Chloroform	9.7
Cyclohexane	0.81
Freon 12	2.1
Ethanol	210
Ethylbenzene	1.8
Hexane	0.66
Total Xylenes	8
Tetrachloroethene	73
Toluene	7
Trichloroethene	62
Freon 11	2
Total VOCs	434.9

Sample ID	SV-206
Sampling Date	10/10/2021
1,1,1-Trichloroethane	3.1
1,2,3-Trimethylbenzene	2.5
1,2,4-Trimethylbenzene	4.5
1,3,5-Trimethylbenzene	2.3
1,3-Dichlorobenzene	1.2
2-Butanone (MEK)	5.3
2-Hexanone	1.5
2-Propanol	3.3
4-Ethyltoluene	1.2
Benzene	3.5
Carbon Disulfide	1.8
Chlorobenzene	0.81
Chloroform	5.4
Cyclohexane	3.6
Freon 12	2.4
Ethanol	190
Ethylbenzene	1.9
Heptane	0.74
Total Xylenes	9.6
Tetrachloroethene	30
Toluene	4.1
Trichloroethene	0.87
Freon 11	1.5
Total VOCs	281.12

Sample ID	SV-207
Sampling Date	10/9/2021
1,2-Dibromoethane	61
2,2,4-Trimethylpentane	21000
2-Methylbutane	470
2-Methylpentane	63
Benzene	32
Carbon Disulfide	78
Hexane	110
Tetrachloroethene	82
Total VOCs	21896

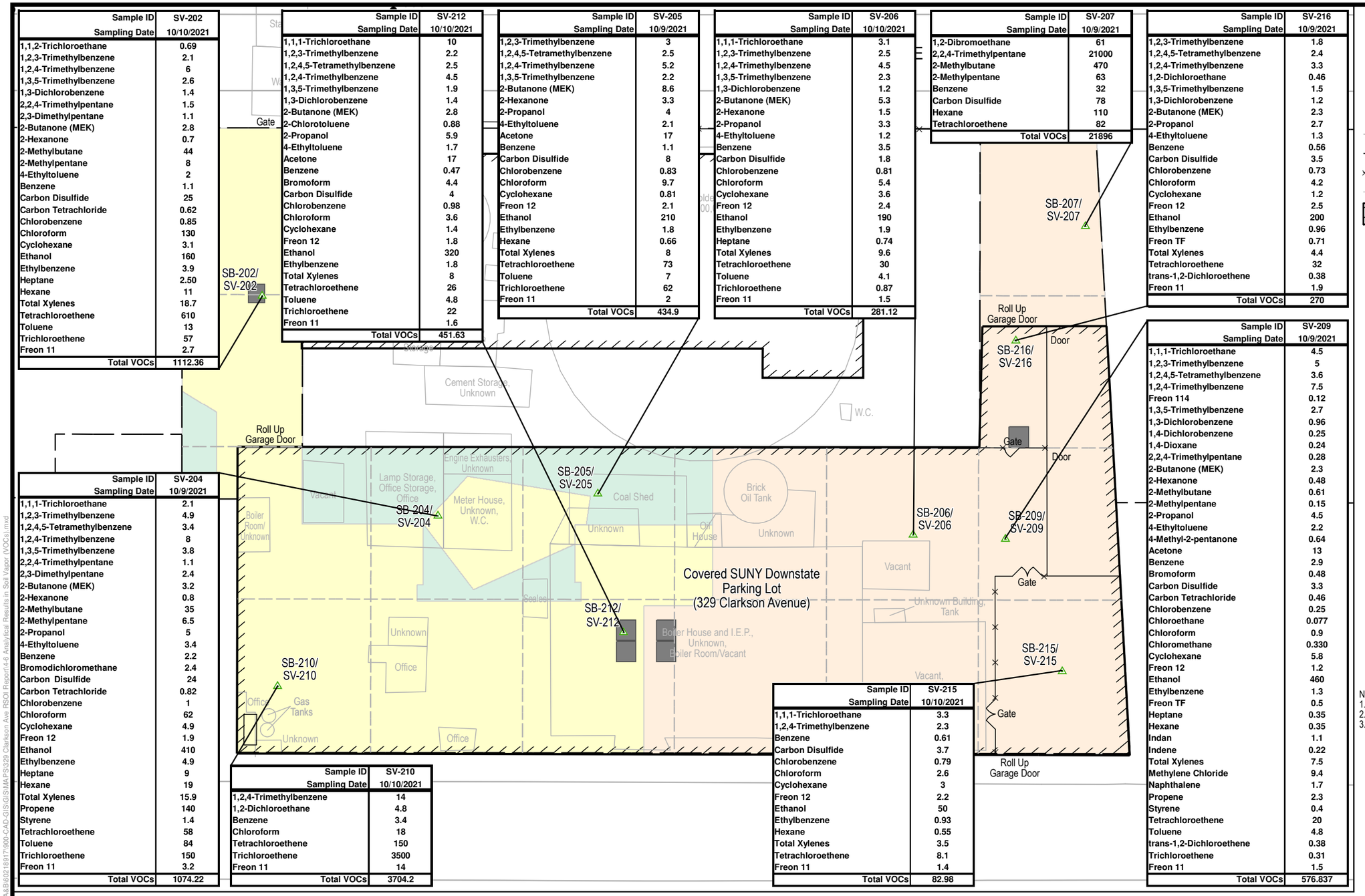
Sample ID	SV-216
Sampling Date	10/9/2021
1,2,3-Trimethylbenzene	1.8
1,2,4,5-Tetramethylbenzene	2.4
1,2,4-Trimethylbenzene	3.3
1,2-Dichloroethane	0.46
1,3,5-Trimethylbenzene	1.5
1,3-Dichlorobenzene	1.2
2-Butanone (MEK)	2.3
2-Propanol	2.7
4-Ethyltoluene	1.3
Benzene	0.56
Carbon Disulfide	3.5
Chlorobenzene	0.73
Chloroform	4.2
Cyclohexane	1.2
Freon 12	2.5
Ethanol	200
Ethylbenzene	0.96
Freon TF	0.71
Total Xylenes	4.4
Tetrachloroethene	32
trans-1,2-Dichloroethene	0.38
Freon 11	1.9
Total VOCs	270

Sample ID	SV-209
Sampling Date	10/9/2021
1,1,1-Trichloroethane	4.5
1,2,3-Trimethylbenzene	5
1,2,4,5-Tetramethylbenzene	3.6
1,2,4-Trimethylbenzene	7.5
Freon 114	0.12
1,3,5-Trimethylbenzene	2.7
1,3-Dichlorobenzene	0.96
1,4-Dichlorobenzene	0.25
1,4-Dioxane	0.24
2,2,4-Trimethylpentane	0.28
2-Butanone (MEK)	2.3
2-Hexanone	0.48
2-Methylbutane	0.61
2-Methylpentane	0.15
2-Propanol	4.5
4-Ethyltoluene	2.2
4-Methyl-2-pentanone	0.64
Acetone	13
Benzene	2.9
Bromoform	0.48
Carbon Disulfide	3.3
Carbon Tetrachloride	0.46
Chlorobenzene	0.25
Chloroethane	0.077
Chloroform	0.9
Chloromethane	0.330
Cyclohexane	5.8
Freon 12	1.2
Ethanol	460
Ethylbenzene	1.3
Freon TF	0.5
Heptane	0.35
Hexane	0.35
Indan	1.1
Indene	0.22
Total Xylenes	7.5
Methylene Chloride	9.4
Naphthalene	1.7
Propene	2.3
Styrene	0.4
Tetrachloroethene	20
Toluene	4.8
trans-1,2-Dichloroethene	0.38
Trichloroethene	0.31
Freon 11	1.5
Total VOCs	576.837

Sample ID	SV-204
Sampling Date	10/9/2021
1,1,1-Trichloroethane	2.1
1,2,3-Trimethylbenzene	4.9
1,2,4,5-Tetramethylbenzene	3.4
1,2,4-Trimethylbenzene	8
1,3,5-Trimethylbenzene	3.8
2,2,4-Trimethylpentane	1.1
2,3-Dimethylpentane	2.4
2-Butanone (MEK)	3.2
2-Hexanone	0.8
2-Methylbutane	35
2-Methylpentane	6.5
2-Propanol	5
4-Ethyltoluene	3.4
Benzene	2.2
Bromodichloromethane	2.4
Carbon Disulfide	24
Carbon Tetrachloride	0.82
Chlorobenzene	1
Chloroform	62
Cyclohexane	4.9
Freon 12	1.9
Ethanol	410
Ethylbenzene	4.9
Heptane	9
Hexane	19
Total Xylenes	15.9
Propene	140
Styrene	1.4
Tetrachloroethene	58
Toluene	84
Trichloroethene	150
Freon 11	3.2
Total VOCs	1074.22

Sample ID	SV-210
Sampling Date	10/10/2021
1,2,4-Trimethylbenzene	14
1,2-Dichloroethane	4.8
Benzene	3.4
Chloroform	18
Tetrachloroethene	150
Trichloroethene	3500
Freon 11	14
Total VOCs	3704.2

Sample ID	SV-215
Sampling Date	10/10/2021
1,1,1-Trichloroethane	3.3
1,2,3-Trimethylbenzene	2.3
Benzene	0.61
Carbon Disulfide	3.7
Chlorobenzene	0.79
Chloroform	2.6
Cyclohexane	3
Freon 12	2.2
Ethanol	50
Ethylbenzene	0.93
Hexane	0.55
Total Xylenes	3.5
Tetrachloroethene	8.1
Freon 11	1.4
Total VOCs	82.98



Legend

- Soil Vapor Point
- 60 foot Grid Boundary
- Current Features and Property Boundary
- Fence
- Historic Structures
- Existing Building
- Approximate location of Elavator Pit. Excavation depth of approximately 25 ft bgs expected by CAMBA.
- Excavation depth of approximately 18.5 ft bgs expected by CAMBA.
- Excavation depth of approximately 17 ft bgs expected by CAMBA.
- Excavation depth of approximately 14.2-14.5 ft bgs expected by CAMBA.

Notes:
1. All concentrations in micrograms per meter cubed (µg/m3).
2. All soil vapor points installed from 18 to 20 ft bgs.
3. Only detected VOCs shown for each soil vapor point.

N

40 0 40
Feet

NOTES:
1. FLATBUSH WORKS HOLDER NO. 2 DETAILS FROM BUG DRAWING # 6-B-50 (DATED DECEMBER 22, 1913).
2. MODIFIED FLATBUSH HOLDER DETAILS (HOLDER NO. 3) FROM BUG DRAWINGS # 7-B-19 (DATED DECEMBER 21, 1914).
3. NEW HOLDER AND HOLDER NO. 3 DETAILS FROM DRAWINGS # 2-E-119 (DATED APRIL 12, 1923) AND # 2-G-155 (DATED MAY 14, 1923).
4. EASTERN PROPERTY LINE DETAILS FROM DRAWING # 2-G-179 (DATED AUGUST 19, 1925).
5. THE EARLIEST DATE OF STRUCTURE RECORDED IS SHOWN.
6. SURVEY CONTROL WAS ESTABLISHED UTILIZING GPS, RTK AND CONVENTIONAL SURVEYING METHODS. FIELD WORK WAS COMPLETED FEBRUARY 2011.
7. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83-CORS NEW YORK EAST 3101)
8. VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD 88)
9. POSITION OF 2011 SC SOIL BORINGS AND WELLS WERE SURVEYED IN JULY 2011 BY CT MALE ASSOCIATES, INC. OF NY.

ACRONYMS:
ft bgs - Feet Below Ground Surface
I.E.P. - Independent Electric Plant
RSOI - Remedial System Optimization Investigation
SC - Site Characterization
VOC - Volatile Organic Compound
Freon 11 - Trichlorofluoromethane
Freon 12 - Dichlorodifluoromethane
Freon 114 - 1,2-Dichlorotetrafluoroethane

NATIONAL GRID
FLATBUSH STATION A & B
FORMER GAS HOLDER SITE

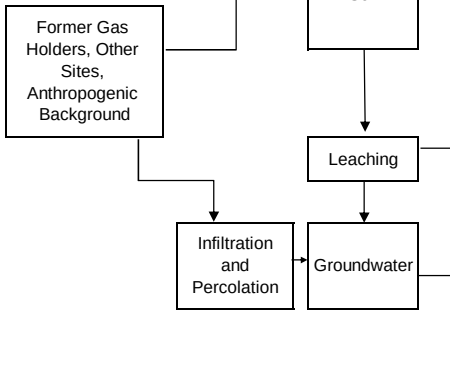
DATE: April 2022 | DRAWN: ML | JOB NO: 60218917

VOC ANALYTICAL RESULTS IN SOIL VAPOR 2021 REMEDIAL SYSTEM OPTIMIZATION INVESTIGATION

FIGURE 4-6

P:\Jobs\Rem_Eng\Project Files\National Grid\Flatbush A&B\60218917\900-CAD-GIS\GIS\MAPS\329 Clarkson Ave RSOI Report\4-6 Analytical Results in Soil Vapor (VOCs).mxd

Figure 5-1
Conceptual Site Model
329 Clarkson Avenue Property, Southern Parcel
Flatbush Station A Former Gas Holder Site
Qualitative Human Health Exposure Assessment



Secondary Release Mechanisms	Exposure Media	Potential Exposure Route	Potential Receptors: On-Site (Current/Future) — Construction/ Utility Worker	On-Site (Future) — Future Resident	On-Site (Future) — Future Commercial/ Maintenance Worker	On-Site (Future) — Future Site Visitor/ Tresspassor	Off-Site (Current/Future) — Construction/ Utility Worker	Off-Site (Current/Future) — Resident	Off-Site (Current/Future) — Commercial/ Maintenance Worker
Dust/ Volatilization	Outdoor Air	Inhalation	●	●	●	●	○(d)	○(d)	○(d)
Dust/ Volatilization	Indoor Air	Inhalation	--	●	●	--	--	●	●
	Surface Soil	Incidental Ingestion	●	●	●	●	○(e)	○(e)	○(e)
		Dermal Contact	●	●	●	●	○(e)	○(e)	○(e)
	Subsurface Soil	Incidental Ingestion	●	--	--	--	○(e)	○(e)	○(e)
		Dermal Contact	●	--	--	--	○(e)	○(e)	○(e)
	Groundwater	Ingestion as Drinking Water	--	○(b)	○(b)	--	--	○(b)	○(b)
		Dermal Contact	○(c)	○(b)	○(b)	--	○(c)	○(b)	○(b)
		Incidental Ingestion	○(c)	○(b)	○(b)	--	○(c)	○(b)	○(b)

Key:

● Pathway potentially complete, if constituents of concern (COCs) are identified, further evaluation recommended.

○ Pathway evaluated and found incomplete or low.

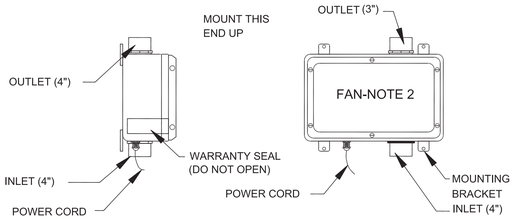
-- Exposure pathway is not applicable to this receptor.

(a) Due to the depth to groundwater (46-51 feet) and lack of significant concentrations of volatiles in soil, volatilization to indoor air from both groundwater and soil is an incomplete exposure pathway.
(b) All residential and commercial properties in the vicinity of the Southern Parcel are on municial water, eliminating the drinking water pathway as well as other uses of groundwater (bathing, irrigation).
(c) Due to the depth to groundwater (46-51 feet), potential exposure to groundwater during excavation is incomplete.
(d) While there may be some potential for dusts or volatiles to migrate to off-Site outdoor air, the exposure potential is considered low.
(e) There are no known off-Site impacts to soil.

AECOM

APPENDIX C

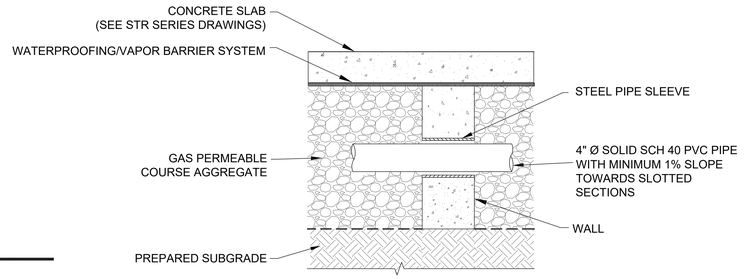
Sub-Slab Depressurization System Design Figures



FAN DETAIL (TYP.) (IF NECESSARY)

FAN NOTES:

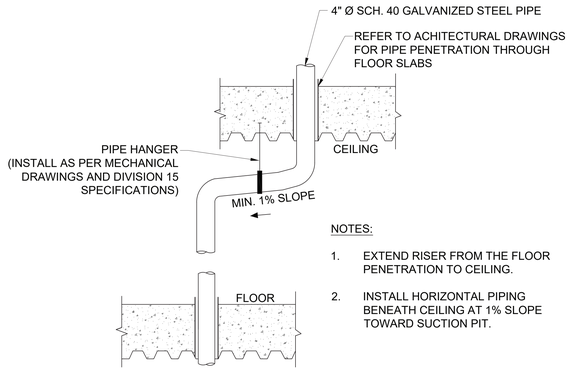
1. TOP OF STACK TO BE LEAST 10' FROM ANY WINDOWS, DOORS OR OTHER BUILDING OPENINGS, OR FROM ANY WINDOWS OR OTHER OPENINGS IN ADJACENT BUILDINGS, INCLUDING AIR INTAKES, LOUVERS, VENTS, ETC.
2. FAN TO BE FANTECH RN4 OR ENGINEER APPROVED EQUAL.
3. FAN AND ON/OFF SWITCH TO BE HARD-WIRED TOGETHER TO 115 VOLT CIRCUIT. ON/OFF SWITCH TO BE MOUNTED ON WALL NEXT TO FAN ON ROOF. COORDINATE WITH ELECTRICAL CONTRACTOR.
4. FAN CONTROLS TO INCLUDE AUDIBLE ALARM, START/STOP, EMERGENCY STOP, AND WATER COLUMN PRESSURE GAUGE



NOTE:

1. SLEEVES MUST BE INSTALLED THROUGH THE MIDDLE 3RD OF ALL GRADE BEAMS. A SHOP DRAWING SHOWING THE SLEEVE PENETRATION MUST BE SUBMITTED FOR STRUCTURAL REVIEW AND APPROVAL.

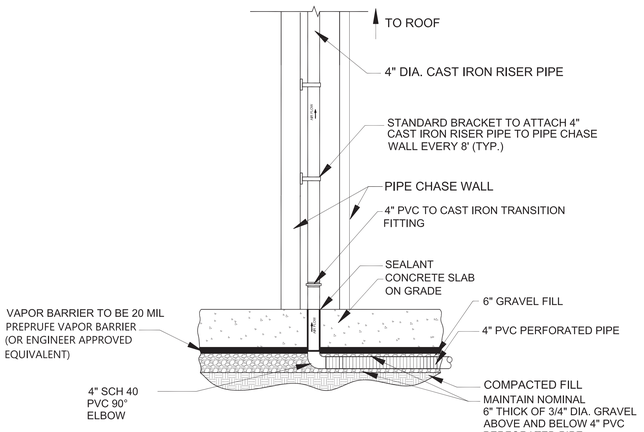
TYPICAL PIPE SLEEVE THROUGH GRADE BEAM OR WALL



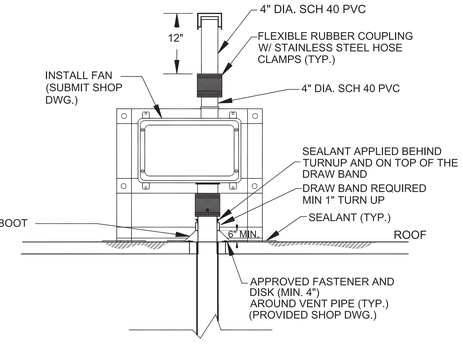
NOTES:

1. EXTEND RISER FROM THE FLOOR PENETRATION TO CEILING.
2. INSTALL HORIZONTAL PIPING BENEATH CEILING AT 1% SLOPE TOWARD SUCTION PIT.

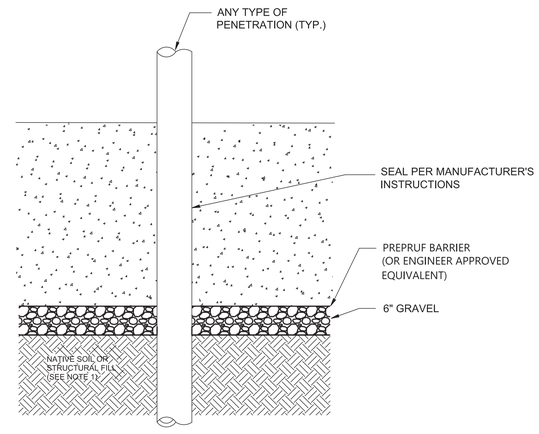
TYPICAL PIPING OFFSET



SLAB DEPRESSURIZATION CROSS SECTION DETAIL



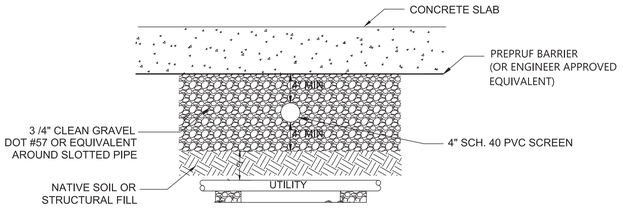
FAN MOUNT DETAIL (IF NECESSARY)



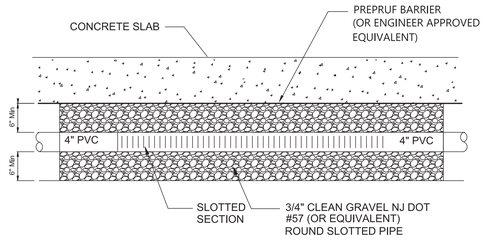
VAPOR BARRIER PENETRATION DETAIL

NOTES:

1. EXCAVATED SOIL MAY BE USED AS PIPE BEDDING ON SOLID PIPE, COMPACT TO 95% MAXIMUM DENSITY.
2. CONCRETE FLOOR SLAB, GRAVEL AND COMPACTION PER SPECIFICATIONS BY OTHERS.
3. PVC PIPE SHALL BE SCHEDULE 40.
4. PVC PIPE CONNECTION SHALL BE THREADED AND BE CERTIFIED LEAK-FREE BY CONTRACTOR.
5. PRELIMINARY DESIGN PARAMETERS INDICATE A FANTECH RN4
6. PREPRUFE BARRIER IS TO BE 20 MIL. PRODUCT SUBSTITUTIONS MUST BE APPROVED BY ENGINEER AND APPROVED IN WRITING FROM ENGINEER.
7. ELECTRICAL POWER WILL BE REQUIRED TO BE SUPPLIED TO FAN(S) AT STANDARD 115V CONNECTION. A BREAKER BOX SHALL BE SUPPLIED FOR ADDITIONAL ELECTRICAL DEMANDS IF NECESSARY.
8. VAPOR BARRIER IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. VAPOR BARRIER TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER DETAILS AND SPECIFICATIONS. ENGINEER WILL VERIFY INSTALLATION IN ACCORDANCE WITH SPECIFICATIONS AND DETAILS. ANY CHANGES TO MANUFACTURER DETAILS AND SPECIFICATIONS WILL BE REQUIRED TO BE IN WRITING FROM MANUFACTURER AND APPROVED BY ENGINEER BEFORE INSTALLATION.
9. RISER PIPES SHALL BE EXTENDED TO THE ROOF WITH MINIMAL CHANGES IN DIRECTION.
10. ALL PIPES AND CONDUIT PENETRATIONS THROUGH THE SLAB (INCLUDING ALL TRADES) SHALL BE SEALED WITH PRE-APPROVED SEALANT. CONTRACTOR
11. AT ANY SUBSURFACE UTILITY CROSSINGS, SSDS SYSTEM SHALL RUN ABOVE OTHER UTILITIES TO AVOID POTENTIAL WATER INFILTRATION INTO SLOTTED PVC SECTIONS.
12. SSDS EQUIPMENT IS TO BE CONNECTED TO CONTROL BOX SUPPLIED BY CONTRACTOR. CONTROLS SHALL INCLUDE 1) START/STOP 2) EMERGENCY STOP 3) AUDIBLE ALARM 4) WATER COLUMN PRESSURE GAUGE
13. SSDS PIPE IS TO CONVERT TO SOLID PVC IF UNDERGROUND OR CAST IRON IF ABOVE GROUND AT ANY CROSSINGS OF CELLAR SPACES.
14. IF THE SSDS IS TO REMAIN PASSIVE, A GOOSE NECK FITTING SHALL BE INSTALLED ON THE TOP OF THE RISERS.



CONSTRUCTION AND INSTALLATION OF SSDS PIPING



TYP. SSDS INSTALLATION

SLAB DEPRESSURIZATION NOTES:

1. SEAL OPENING WITH SEALANT APPROVED BY PLUMBER.
2. VAPOR BARRIER TO BE 20 MIL PREPRUF BARRIER (OR ENGINEER APPROVED EQUIVALENT)
3. INSTALL VAPOR BARRIER PER MANUFACTURER SPECS.
4. FINAL LOCATION OF VERTICAL RISER PIPE TO BE DETERMINED WITH CONTRACTOR AND ARCHITECT.
5. WRAP 4" PVC PERFORATED PIPE WITH GEOTEXTILE FABRIC, GSE NW4 OR APPROVED EQUAL.
6. IF NECESSARY, FAN AND POWER DISCONNECT SWITCH TO BE HARD-WIRED TOGETHER TO 115 VOLT CIRCUIT. ON/OFF SWITCH TO BE MOUNTED ON ROOF NEXT TO FAN. COORDINATE WITH OWNER FOR PLACEMENT OF SWITCH, SUCTION INDICATOR & VACUUM ALARM & ELECTRICAL CONTRACTOR FOR POWER SOURCE.
7. SURFACE SEALING MATERIAL TO BE NON-VOC EMITTING SEALANT
8. 6" THICK GRAVEL LAYER TO BE CONSISTENT UNDERNEATH ENTIRE SLAB.

Figure 8

CLARKSON ESTATES

329 CLARKSON AVE, BROOKLYN, NY 11226

OWNER:
CAMBA HOUSING VENTURES
1720 CHURCH AVENUE, 2ND FL.
BROOKLYN, NY 11226
T: 718.287.2600

ARCHITECT:
CETRA RUDDY ARCHITECTURE DPC
1 BATTERY PARK PLAZA, SUITE 800
NEW YORK, NY 10004
212.941.9801

STRUCTURAL ENGINEER:
DESIMONE
140 BROADWAY, 25TH FLOOR
NEW YORK, NY 10005
T: 212.532.2211

MEP ENGINEER:
DAGHER ENGINEERING
29 BROADWAY,
NEW YORK, NY 10006
T: 212.480.2591

LANDSCAPE ARCHITECT:
STARR WHITEHOUSE
80 BROAD STREET, SUITE 1700
NEW YORK, NY 10004
T: 212.487.3272

SUSTAINABILITY / SOLAR:
STEVEN WINTERS ASSOCIATES, INC
307 SEVENTH AVE, SUITE 1701
NEW YORK, NY 10001
T: 212.564.5800

ENVIRONMENTAL:
EQUITY ENVIRONMENTAL ENGINEERING
4 WORLD TRADE CENTER, 29TH FLOOR
NEW YORK, NEW YORK 10006
T: 973.527.7451

SURVEY:
CONTROL POINT ASSOCIATES, INC
200 WEST 41ST STREET, SUITE 1203
NEW YORK, NY 10036
T: 646.780.0411

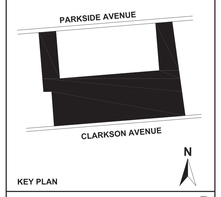
ELEVATOR:
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120 Eagle Rock Ave., Suite 310
East Hanover, NJ 07936
T 973.994.9220

FACADE CONSULTANT:
HATFIELD GROUP
285 West Broadway, #410
New York, NY 10013
T 212.260.1513

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120-34 Queens Blvd, Suite 320
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GEOTHECNICAL ENGINEER:
MUESER RUTLEDGE CONSULTING ENGINEERS PLLC
225 West 34th Street, 6th Floor
New York, NY 10122
T 917.339.9386



KEY PLAN

PRELIMINARY - NOT FOR CONSTRUCTION

PROFESSIONAL CERTIFICATION

CETRA RUDDY

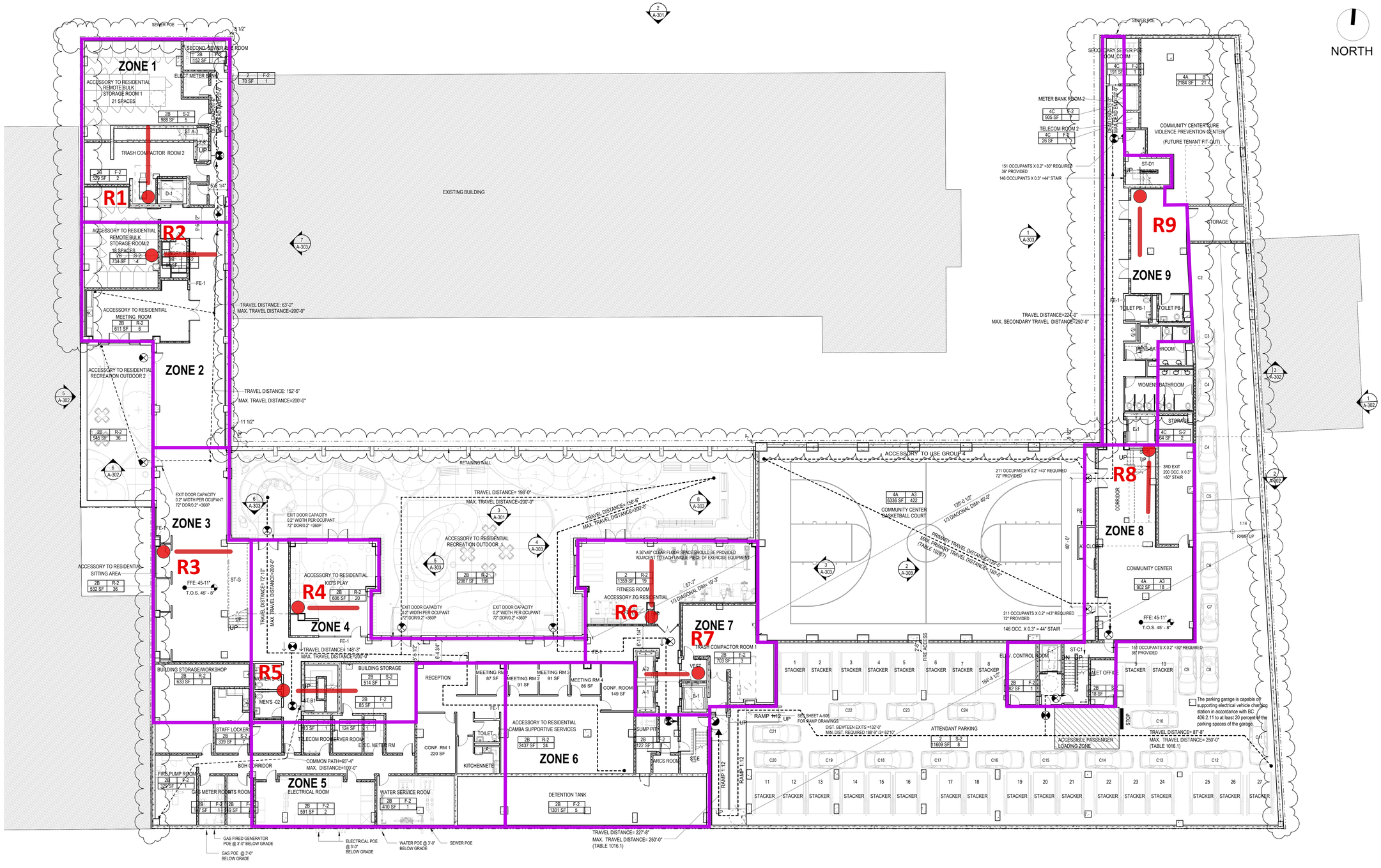
SSDS DETAILS

DRAWING NO. **SSD-300.00**

PROJECT	SCALE	ISSUE DATE	ISSUE NO.
1901.00	3/32" = 1'-0"	B006811143-I1	

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1 BATTERY PARK PLAZA NEW YORK NY 10004 T 212 941 9801 F 212 941 9440
WWW.CETRARUDDY.COM

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1 CELLAR FLOOR_egress plan
3/32" = 1'-0"

SSDS RISER LOCATIONS

TREATMENT ZONE BOUNDARY

SSDS EXTRACTION TRENCH

The parking garage is capable of supporting electrical vehicle charging station in accordance with IBC 406.2.11 to at least 20 percent of the parking spaces of the garage.

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MUESER RUTLEDGE CONSULTING ENGINEERS PLLC
225 West 34th Street, 6th Floor
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LIGHTING CONSULTANT:
ONELUX studio
158 West 29th Street, 10th Fl
New York, NY 10001
T 212.201.5790

ISSUED FOR CONSTRUCTION	2023.01.19
DOB SUBMISSION	2023.01.09
ISSUED FOR PRICING	2022.10.14
DOB SUBMISSION	2022.07.21
PRICING SET	2022.07.15
DOB SUBMISSION	2022.06.28
DD RE-SUBMISSION	2022.06.03
DOB SUBMISSION	2022.05.25
DD SUBMISSION	2022.03.25
DOB SUBMISSION	2022.02.11

PROFESSIONAL CERTIFICATION

CETRA RUDDY

FIGURE 3
SSDS EXTRACTION TRENCH AND CELLAR RISER

DRAWING NO. **SSDS 300.00**

SCALE: As indicated
PROJECT: 1901.00
DOB PROJ. NO.: B00681143-I1

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ISSUED FOR PRICING	2022.10.14
DOB SUBMISSION	2022.07.21
PRICING SET	2022.07.15
DOB SUBMISSION	2022.06.28
DD RE-SUBMISSION	2022.06.03
DOB SUBMISSION	2022.05.25
DD SUBMISSION	2022.03.25
DOB SUBMISSION	2022.02.11

PROFESSIONAL CERTIFICATION

CETRA RUDDY

FIGURE 4
1ST FLOOR RISER DIAGRAM

DRAWING NO. **SSDS 300.00**

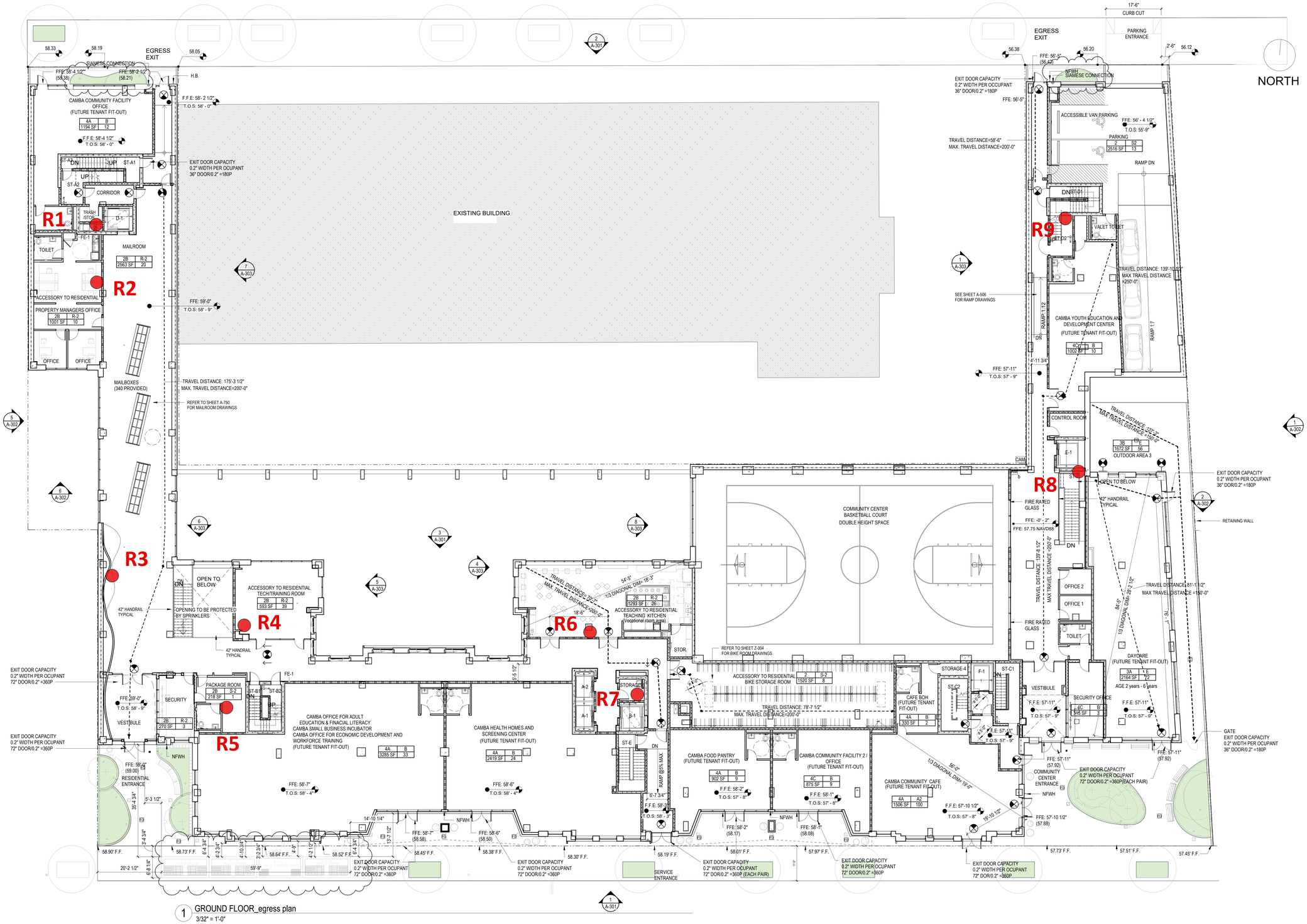
PROJECT SCALE: As indicated

DOB FILING NO.: B00681143-I1

1901.00

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WWW.CETRARUDDY.COM

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1 GROUND FLOOR_egress plan
3/32" = 1'-0"

SSDS RISER LOCATIONS

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SUSTAINABILITY / SOLAR:
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4 WORLD TRADE CENTER, 29TH FLOOR
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New York, NY 10122
T 917.339.9386

LIGHTING CONSULTANT:
ONELUX studio
158 West 29th Street, 10th Fl
New York, NY 10001
T 212.201.5790

NORTH

1 BEDROOM OO
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
MOBILITY IMPAIRED RESIDENTS

KITCHEN TYPE: K1-01c.1
BATHROOM TYPE: 04.1

COMMON PATH OF TRAVEL=44'-6"
MAX. DISTANCE=125'-0"

ROOF HATCH FOR ACCESS

PARKING GARAGE EXHAUST

TRAINING KITCHEN EXHAUST

ACCESS FOR MAINTANANCE

ROOF OVER GROUND FLOOR

STUDIO V
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
HEARING OR VISUAL
IMPAIRED RESIDENTS

COMMON PATH OF TRAVEL =70'-6"
MAX . DISTANCE =125'-0"

DEAD END=44'-3"
MAX DEAD END=80'-0"

ROOF OVER GROUND FL

ROOF HATCH FOR ACCESS, FROM COMMUNITY CENTER

OUTDOOR AREA AT GROUND FLOOR

COMMON PATH OF TRAVEL =95'-6"
MAX . DISTANCE =125'-0"

DEAD END=61'-3"
MAX DEAD END=80'-0"

OPEN TO BELOW

TRAVEL DISTANCE: 191-8 1/2"
MAX. TRAVEL DISTANCE=200'-0"

TRAVEL DISTANCE: 179-3 1/2"
MAX. TRAVEL DISTANCE=200'-0"

STUDIO A
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
MOBILITY IMPAIRED RESIDENTS

KITCHEN TYPE: K2-01.1
BATHROOM TYPE: 04b.1

SSDS RISER LOCATIONS

ISSUED FOR CONSTRUCTION 2023.01.19
ISSUED FOR PRICING 2022.10.14

PROFESSIONAL CERTIFICATION

CETRA RUDDY

FIGURE 5
2ND FLOOR RISER DIAGRAM

DRAWING NO. **SSDS 300.00**

PROJECT 1901.00 | SCALE As indicated | JOB NO. B00681143-I1

CLARKSON ESTATES

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MEP ENGINEER:
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NEW YORK, NY 10006
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T 917.339.9386

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FIGURE 6

3RD – 5TH FLOOR RISER DIAGRAM

DRAWING NO. **SSDS 300.00**

SCALE: As indicated

PROJECT: 1901.00

DOB FILING NO.: B00681143-I1

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NORTH

R1 R2 R3 R4 R5 R6 R7 R8 R9

SSDS RISER LOCATIONS

1 BEDROOM OO (4TH FLOOR)
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
MOBILITY IMPAIRED RESIDENTS

KITCHEN TYPE: K1-01c.1
BATHROOM TYPE: 04.1

1 BEDROOM OO (5TH FLOOR)
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
HEARING OR VISUAL
IMPAIRED RESIDENTS

2 BEDROOM A (3RD & 5TH FLOOR)
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
MOBILITY IMPAIRED RESIDENTS

KITCHEN TYPE: K3-04.1
BATHROOM TYPE: 04b.1

2 BEDROOM A (4TH FLOOR)
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
HEARING OR VISUAL
IMPAIRED RESIDENTS

STUDIO V (5TH FLOOR)
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
HEARING OR VISUAL
IMPAIRED RESIDENTS

STUDIO V (3RD & 4TH FLOOR)
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
MOBILITY IMPAIRED RESIDENTS

KITCHEN TYPE: K1-01.1
BATHROOM TYPE: 04.1

3 BEDROOM U (5TH FLOOR)
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
MOBILITY IMPAIRED RESIDENTS

KITCHEN TYPE: K3-01c.1
BATHROOM TYPE: 04d.1

1 BEDROOM F (3RD & 5TH FLOOR)
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
MOBILITY IMPAIRED RESIDENTS

KITCHEN TYPE: K2-03.1
BATHROOM TYPE: 04.1

1 BEDROOM G (3RD FLOOR)
FULLY ACCESSIBLE
AND ADAPTED
MOVE-IN READY UNIT FOR
HEARING OR VISUAL
IMPAIRED RESIDENTS

COMMON PATH OF TRAVEL =44'-6"
MAX. DISTANCE=125'-0"

COMMON PATH OF TRAVEL =95'-6"
MAX . DISTANCE =129'-0"

COMMON PATH OF TRAVEL =70'-6"
MAX . DISTANCE =125'-0"

COMMON PATH OF TRAVEL =78'-6"
MAX . DISTANCE =125'-0"

DISTANCE BETWEEN STAIRS = 124'-11"
MIN DISTANCE = 120'-0"

DEAD END=44'-3"
MAX DEAD END=80'-0"

DEAD END=61'-3"
MAX DEAD END=80'-0"

DEAD END=41'-6"
MAX DEAD END=80'-0"

TRAVEL DISTANCE: 192'-7"
MAX. TRAVEL DISTANCE=200'-0"

TRAVEL DISTANCE: 179'-3 1/2"
MAX. TRAVEL DISTANCE=200'-0"

CORRIDOR

COMMON PATH=70'-6"
MAX. COMMON PATH=125'-0"

CLARKSON ESTATES

329 CLARKSON AVE, BROOKLYN, NY 11226

OWNER:
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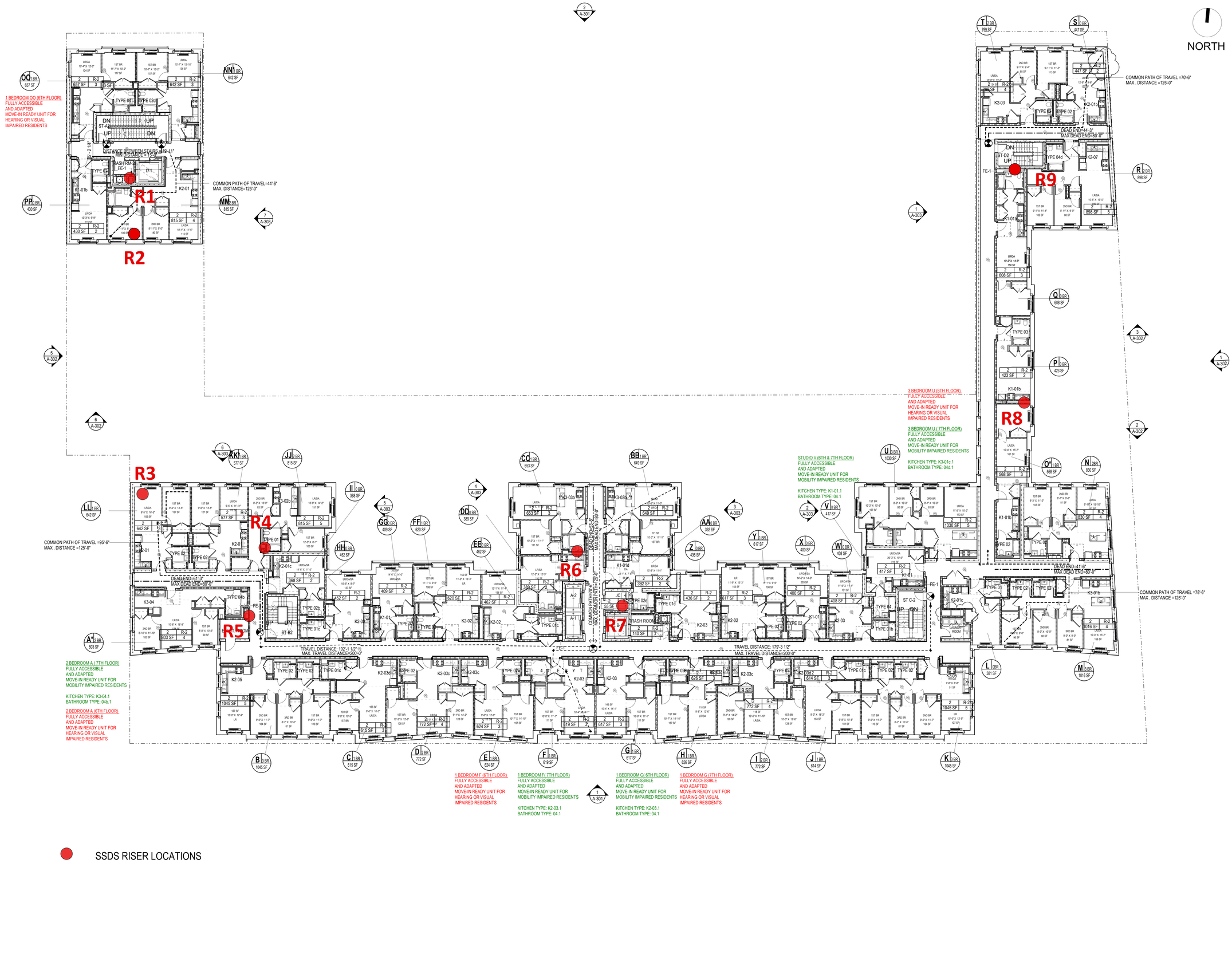
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N O I S S I M B U S 1 B2 O7	
T E S G N I C I R P S 1 7	
N O I S S I M B U S 8 B2 O6	
N O I S S I M B U S 3 - 0E 8	
N O I S S I M B U S 1 B2 O5	
N O I S S I M B U S 8 2D 3	
N O I S S I M B U S 1 B1 O2	

PROFESSIONAL CERTIFICATION



CETRA RUDDY

FIGURE 7

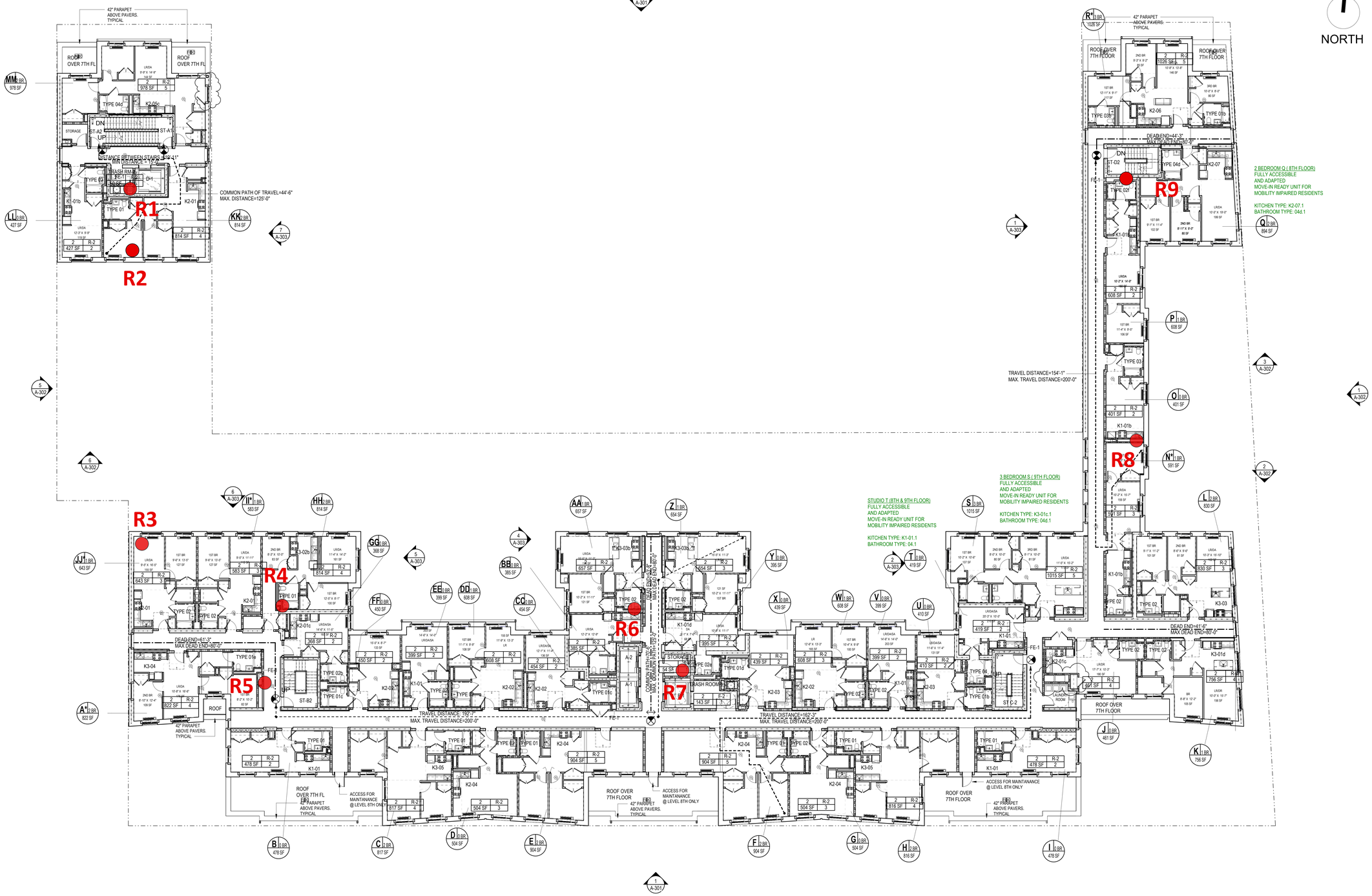
6TH – 7TH FLOOR RISER DIAGRAM

DRAWING NO. **SSDS 300.00**

SCALE	As indicated	DRAWING NO.	
PROJECT	1901.00	DRAWING NO.	B00681143-I1

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SSDS RISER LOCATIONS

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T: 212.532.2211

MEP ENGINEER:
DAGHER ENGINEERING
29 BROADWAY,
NEW YORK, NY 10006
T: 212.480.2591

LANDSCAPE ARCHITECT:
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NEW YORK, NY 10004
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SUSTAINABILITY / SOLAR:
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PROFESSIONAL CERTIFICATION

CETRA RUDDY

FIGURE 8

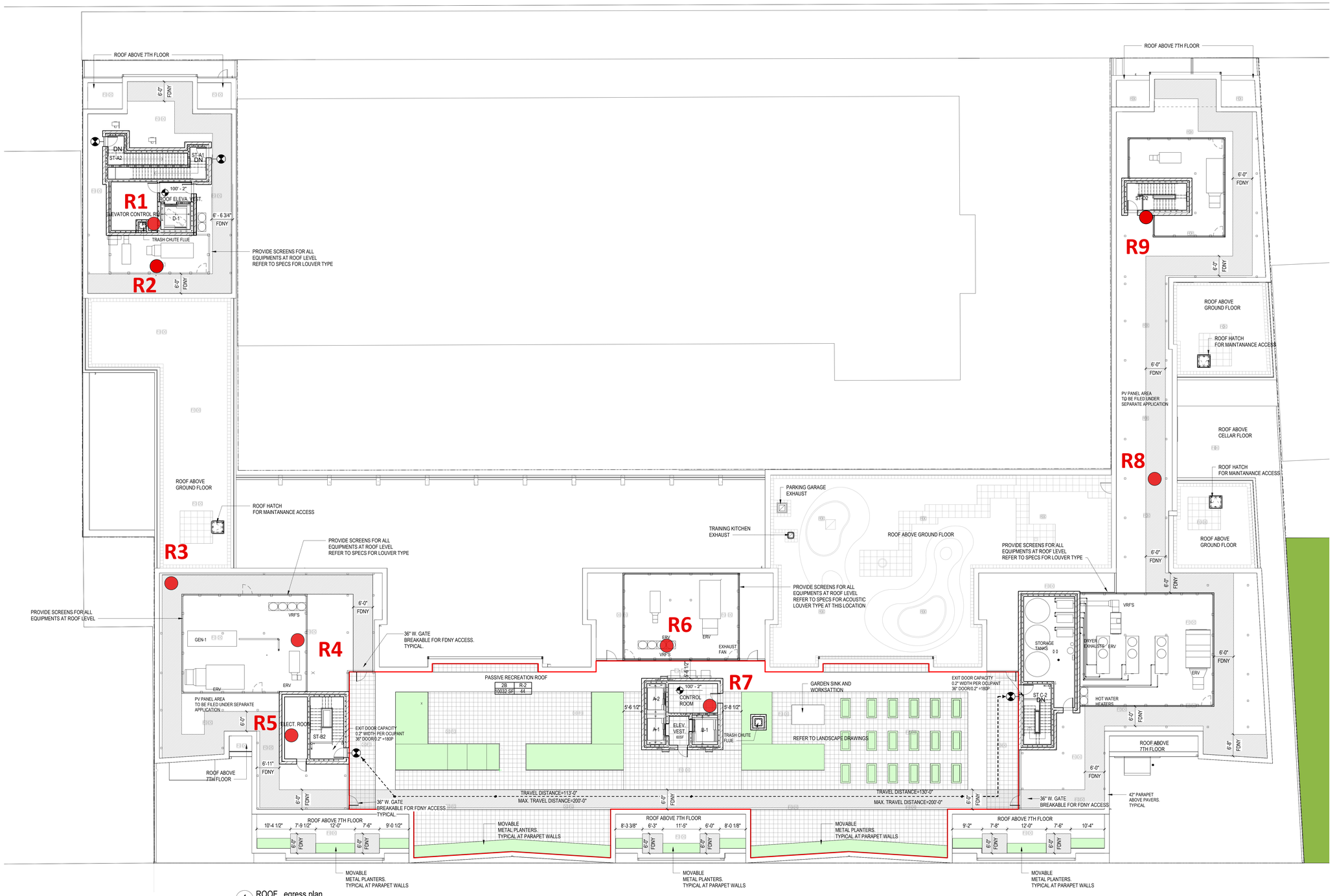
8TH – 9TH FLOOR RISER DIAGRAM

DRAWING NO. **SSDS 300.00**

SCALE	As indicated	DOB FILE NO.	
PROJECT	1901.00	DOB FILE NO.	B00681143-I1

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1 ROOF _egress plan
3/32" = 1'-0"

SSDS RISER LOCATIONS

CLARKSON ESTATES

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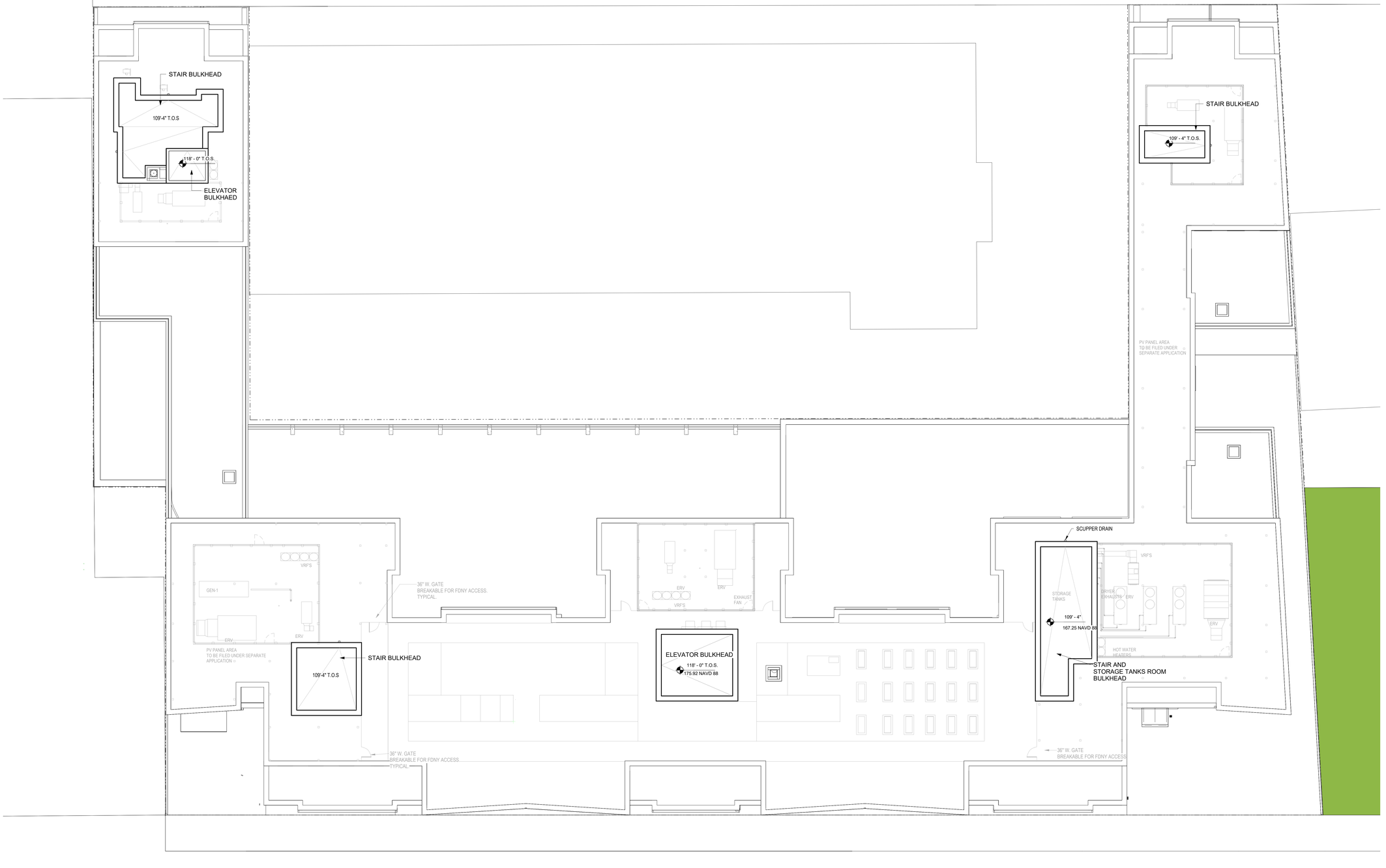
FIGURE 9
ROOF EXHAUST LOCATIONS

DRAWING NO. **SSDS 300.00**

SCALE	As indicated	DRAWING NO.	
PROJECT	1901.00	PROJECT NO.	B00681143-I1

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1 BULKHEAD PLAN
3/32" = 1'-0"

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PROFESSIONAL CERTIFICATION

CETRA RUDDY

BULKHEAD
SSDS RISER

DRAWING NO. **SSDS 300.00**

SCALE 3/32" = 1'-0"

PROJECT NO. / FILE NO. 1901.00 | B00681143-I1

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1 BATTERY PARK PLAZA NEW YORK NY 10004 T 212 941 9801 F 212 941 9440
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APPENDIX D

CAMP Data

APPENDIX E

NYSDEC RAWP and EWP Approvals

A RESOLUTION OF THE
NEW YORK STATE HOUSING FINANCE AGENCY
APPROVING THE ENVIRONMENTAL DETERMINATION
OF VITAL BROOKLYN CLARKSON ESTATES (SITE L)

WHEREAS, there has been submitted to the New York State Housing Finance Agency ("Agency") a proposed plan to new construction of a 9-story building consisting of 328 affordable and supportive units for families, with approximately 50% of the units set aside for formerly homeless populations, including youth aging out of foster care, formerly incarcerated individuals, formerly homeless young adults, and formerly homeless families. The project will be constructed on a 1.26-acre site at 329 Clarkson Avenue in City of New York, Kings County (the "Project"); and

WHEREAS, to enable the development of the project, Empire State Development must override the current New York City Zoning Resolution and other local laws and requirements as applicable, in accordance with the New York State Urban Development Corporation Act; and

WHEREAS, the necessary overrides are secured through Empire State Development's approval of a General Project Plan (GPP), which requires a determination, led by the Agency, under the State Environmental Quality Review Act (SEQRA) and its implementing regulations set forth in 6 NYCRR Part 617; and

WHEREAS, this is a request for a SEQRA Type I classification and Negative Declaration determination, only. No Agency resources will be committed to the Project until the Project is approved for financing;

NOW THEREFORE, BE IT RESOLVED, by the Members of the Agency as follows:

Section 1. The Agency hereby issues a Negative Declaration that the proposed action will not have a significant adverse effect on the environment.

Section 2. The proposed action has been reviewed by the New York State Office of Parks, Recreation and Historic Preservation ("OPRHP") in accordance with Section 106 of the National Historic Preservation Act of 1966. OPRHP's initial review found the project presented an "Adverse Effect." In a letter dated July 7, 2021, OPRHP determined that no viable alternative to demolition existed. A Letter of Resolution resolves the Adverse Effect.

Section 3. The Agency requires a Phase I Environmental Site Assessment ("ESA") Report. A Phase I ESA was prepared on November 5, 2020 and a Remedial System Optimization Investigation Report was prepared in February 2022. Identified Manufactured Gas Plant (MGP) contamination will be remediated under DEC oversight and non-MGP contamination is to be remediated under April 2022 Remedial Action Work Plan reviewed and accepted by Staff.

Section 4. The Project has been reviewed by the Agency's Smart Growth Advisory Committee, and the Committee has determined that the proposed Agency financing of the Project complies

with the State Smart Growth Public Infrastructure Policy Act.

Section 5. This resolution shall take effect immediately.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 12th Floor, Albany, NY 12233-7014
P: (518) 402-9662 I F: (518) 402-9679
www.dec.ny.gov

Transmitted via Email Only

May 3, 2022

Mr. Michael Berne
Senior Vice President
CAMBA Housing Ventures
1720 Church Avenue
Brooklyn, NY 11226

Re: Remedial Scope of Work Approval
329 Clarkson Ave Property (Southern Parcel)
Flatbush Station A&B Former Gas Holder Site
Brooklyn, Kings County
Site No.: 224061

Dear Mr. Berne:

The New York State Department of Environmental Conservation (Department), in consultation with the New York State Department of Health (NYSDOH), has reviewed the revised Remedial Scope of Work (SOW) – 329 Clarkson Avenue Property (Southern Parcel), dated April 22, 2022, for the Flatbush Station A&B Former Gas Holder site. Based on that review the revisions have addressed the requested modification and the SOW is approved.

Should you have any questions please contact me at (518) 402-9794, or by email at scott.deyette@dec.ny.gov.

Sincerely,

R. Scott Deyette
Chief, Remedial Section E
Remedial Bureau C
Division of Environmental Remediation

ec: S. Selmer, NYSDOH
S. McLaughlin, NYSDOH
J. Mitchell, National Grid
M. Quinlan, National Grid
J. Millard, AECOM
B. Jackson, Equity Environmental

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 12th Floor, Albany, NY 12233-7014
P: (518) 402-9662 I F: (518) 402-9722
www.dec.ny.gov

September 30, 2022

Mr. Michael Quinlan
Project Manager
National Grid
175 East Old Country Road
Hicksville, NY 11801

Re: Excavation Work Plan
329 Clarkson Ave Property (Southern Parcel)
Flatbush Station A&B Former Gas Holder Site
Brooklyn, Kings County
Site No.: 224061

Dear Mr. Quinlan:

The New York State Department of Environmental Conservation (Department), in consultation with the New York State Department of Health (NYSDOH), has reviewed the Excavation Work Plan – 329 Clarkson Avenue Property (Southern Parcel), dated August 24, 2022, for the Flatbush Station A&B Former Gas Holder site. Based on that review the work plan is hereby approved.

Should you have any questions please contact me at (518) 402-9794, or by email at scott.deyette@dec.ny.gov.

Sincerely,

R. Scott Deyette
Chief, Section E
Remedial Bureau C
Division of Environmental Remediation

ec: S. Selmer, NYSDOH
S. McLaughlin, NYSDOH
J. Mitchell, National Grid
B. Jackson, Equity Environmental
E. Tedesco, CAMBA

APPENDIX F

Daily and Monthly Progress Reports

APPENDIX G

Photo-Log

Photographic Log

Client Name: Camba Housing Ventures, Inc.	**Subject Property Location:** 329 Clarkson Avenue, Brooklyn, NY	**Project No.** 12.00777434.00

Photo No.	**Date:**
1	11/28/23

Direction Photo Taken:
Northeast

Description:
Hazardous waste soil area being excavated.



Photo No.	**Date:**
2	11/28/22

Direction Photo Taken:
southeast

Description:
Hazardous waste soil area being excavated..



Photographic Log

Client Name: Camba Housing Ventures, Inc.	**Subject Property Location:** 329 Clarkson Avenue, Brooklyn, NY	**Project No.** 12.00777434.00

Photo No.	**Date:**
3	11/28/23

Direction Photo Taken:
Northeast

Description:
Hazardous waste soil area being excavated.



Photo No.	**Date:**
4	12/11/23

Direction Photo Taken:
West

Description:
View of the property excavation of concrete.



Photographic Log

Client Name: Camba Housing Ventures, Inc.	**Subject Property Location:** 329 Clarkson Avenue, Brooklyn, NY	**Project No.** 12.00777434.00

Photo No.	**Date:**
5	12/12/23

Direction Photo Taken:

Description:
View of the excavation along Lot 22.



Photo No.	**Date:**
6	12/19/23

Direction Photo Taken:
Southeast

Description:
Excavation of footings for the structure onsite.



Photographic Log

Client Name: Camba Housing Ventures, Inc.	**Subject Property Location:** 329 Clarkson Avenue, Brooklyn, NY	**Project No.** 12.00777434.00

Photo No.	**Date:**
7	12/22/23

Direction Photo Taken:

Description:
Excavation of Hazardous Waste onsite.



Photo No.	**Date:**
8	1/12/24

Direction Photo Taken:

Description:
Excavation of Hazardous Waste onsite.



Photographic Log

Client Name: Camba Housing Ventures, Inc.	Subject Property Location: 329 Clarkson Avenue, Brooklyn, NY	Project No. 12.00777434.00

Photo No.	Date:
9	1/23/24

Direction Photo Taken:

Description:
Excavation of Hazardous Waste onsite.



Photo No.	Date:
10	3/1/24

Direction Photo Taken:
East

Description:
Photo showing the depth of excavation that occurred at the site.



Photographic Log

Client Name: Camba Housing Ventures, Inc.	**Subject Property Location:** 329 Clarson Avenue, Brooklyn NY	**Project No.** 12.00777434.00

Photo No.	**Date:**
11	3/7/24

Direction Photo Taken:

Description:
Footing work being conducted onsite.



Photo No.	**Date:**
12	3/15/24

Direction Photo Taken:
North

Description:
View of the Site.



Photographic Log

Client Name: Camba Housing Ventures, Inc.	Subject Property Location: 329 Clarson Avenue, Brooklyn NY	Project No. 12.00777434.00

Photo No.	Date:
13	3/39/24

Direction Photo Taken:
East

Description:
View of excavation onsite.



Photo No.	Date:
14	4/2/24

Direction Photo Taken:
East

Description:
View of the Site excavation depth.



Photographic Log

Client Name: Camba Housing Ventures, Inc.	Subject Property Location: 329 Clarson Avenue, Brooklyn NY	Project No. 12.00777434.00

Photo No.	Date:
15	5/16/24

Direction Photo Taken:
North

Description:
SSDS placement



Photo No.	Date:
16	5/16/24

Direction Photo Taken:
North

Description:
SSDS placement



Photographic Log

Client Name: Camba Housing Ventures, Inc.	**Subject Property Location:** 329 Clarson Avenue, Brooklyn NY	**Project No.** 12.00777434.00

Photo No.	**Date:**
17	5/16/24

Direction Photo Taken:
North

Description:
SSDS placement



Photo No.	**Date:**
18	5/16/24

Direction Photo Taken:
East

Description:
SSDS placement



Photographic Log

Client Name: Camba Housing Ventures, Inc.	**Subject Property Location:** 329 Clarson Avenue, Brooklyn NY	**Project No.** 12.00777434.00

Photo No.	**Date:**
19	5/16/24

Direction Photo Taken:
East

Description:
SSDS placement

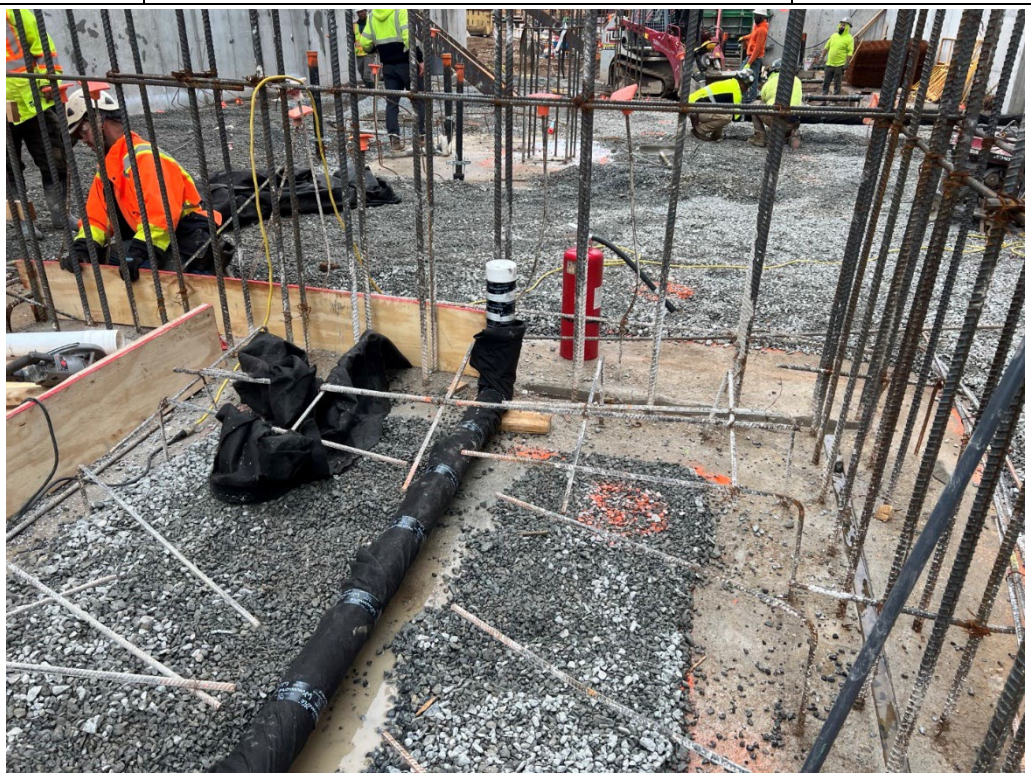


Photo No.	**Date:**
20	5/20/24

Direction Photo Taken:

Description:
Soil excavation.



Photographic Log

Client Name: Camba Housing Ventures, Inc.	**Subject Property Location:** 329 Clarson Avenue, Brooklyn NY	**Project No.** 12.00777434.00

Photo No.	**Date:**
21	6/13/24

Direction Photo Taken:
South

Description:
SSDS placement



Photo No.	**Date:**
22	6/13/24

Direction Photo Taken:

Description:
Vapor barrier placement



Photographic Log

Client Name: Camba Housing Ventures, Inc.	**Subject Property Location:** 329 Clarson Avenue, Brooklyn NY	**Project No.** 12.00777434.00

Photo No.	**Date:**
23	6/13/24

Direction Photo Taken:
South

Description:
Site construction activities.



Photo No.	**Date:**
24	7/2/24

Direction Photo Taken:
North

Description:
Site construction activities.



Photographic Log

Client Name: Camba Housing Ventures, Inc.	Subject Property Location: 329 Clarson Avenue, Brooklyn NY	Project No. 12.00777434.00

Photo No.	Date:
25	7/9/24

Direction Photo Taken:
East

Description:
Site construction activities.



Photo No.	Date:
26	7/16/24

Direction Photo Taken:
West

Description:
Site construction activities.



Photographic Log

Client Name: Camba Housing Ventures, Inc.	Subject Property Location: 329 Clarson Avenue, Brooklyn NY	Project No. 12.00777434.00

Photo No.	Date:
27	8/13/24

Direction Photo Taken:
East

Description:
Site construction activities.

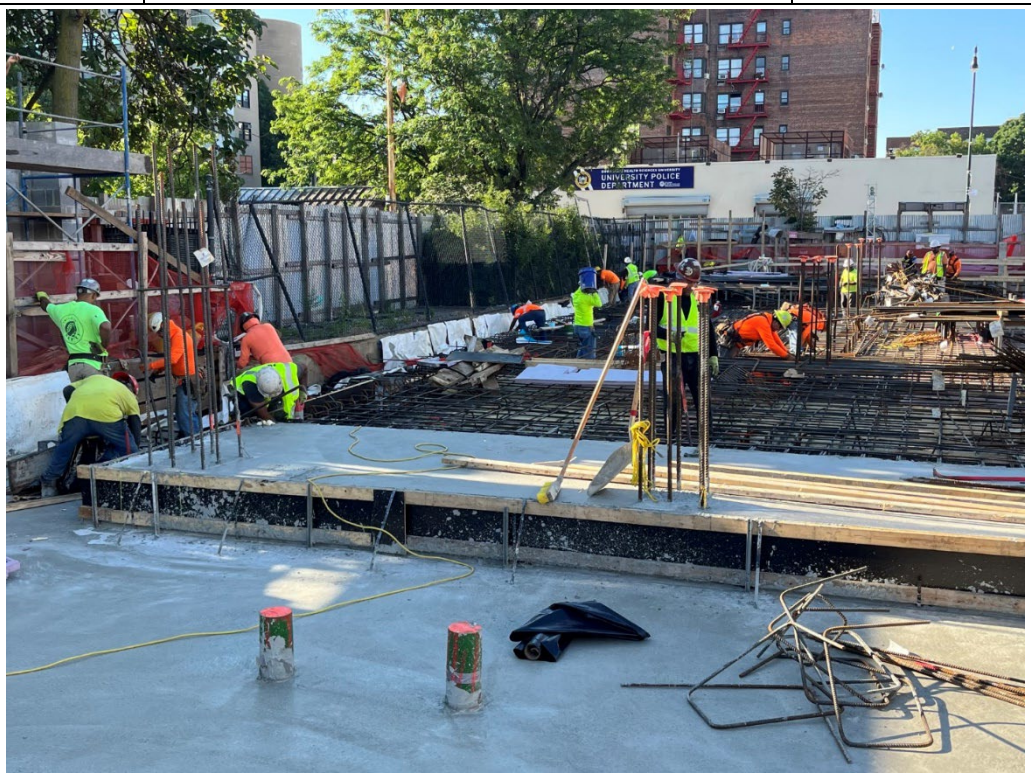


Photo No.	Date:
28	8/22/24

Direction Photo Taken:
West

Description:
First floor slab.



Photographic Log

Client Name: Camba Housing Ventures, Inc.	**Subject Property Location:** 329 Clarson Avenue, Brooklyn NY	**Project No.** 12.00777434.00

Photo No.	**Date:**
29	8/22/24

Direction Photo Taken:
North

Description:
Open space area.

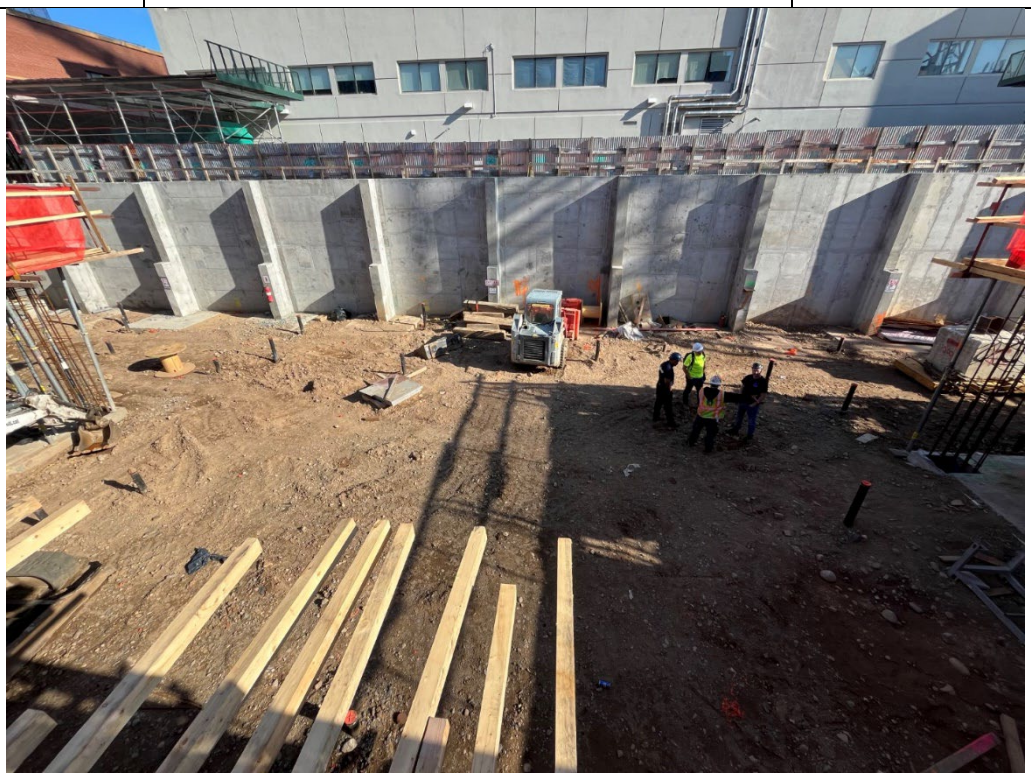


Photo No.	**Date:**
30	10/19/24

Direction Photo Taken:
North

Description:
Utility connection in northwest corner of the site.



APPENDIX H

Soil/Waste Characterization

Name/Topic: Technical Memorandum
Soil Waste Classification Sampling
329 Clarkson Avenue
Brooklyn, NY 11226

From: Bob Jackson (Equity Environmental Engineering, LLC)

Distribution: Michael Berne/CAMBA
Eli Tedesco/CAMBA
Robert Franco-Tayer/CAMBA
David Rowe/CAMBA
Bruno Frustaci/Bruno Frustaci Contracting

Date: September 20, 2022

On August 20-21, 2022 Equity Environmental Engineering, LLC (Equity) personnel was onsite at the SUNY Downstate parking garage located at 329 Clarkson Avenue, Brooklyn, New York, to collect nine waste classification soil samples to determine how the soils onsite shall be managed and disposed. The Site was divided into nine zones for sampling purposes. Each zone represented approximately 6,750 square feet or roughly 500 to 750 cubic yards depending on the range of depth for the sampling. The samples were collected from the four soil borings (SB) locations within each zone. See Figure 1 for the sample locations.

Each SB was installed via direct push methods to a maximum depth of 5-feet below ground surface (bgs). Each grab sample was collected at predetermined depths throughout all four soil borings and then composited together. Table 1 presents the sample depths.

Table 1 – Sample Depths

Zone	Sample Depth (Per Zone)
1	1 through 4 feet
2	1 through 4 feet
3	2 through 4 feet
4	3 through 5 feet
5	1 through 4 feet
6	1 through 3 feet

7	1 through 4 feet
8	1 through 4 feet
9	1 through 3 feet

In accordance with the directions from the general contractor's waste disposal broker, the samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Poly Chlorinated Biphenyls (PCBs), Target Analyte List (TAL) metals and Toxicity Characteristic Leaching Procedure (TCLP) Resource Conservation and Recovery Act (RCRA) 8-metals. The VOC sample was collected from one of the four borings in each zone. The locations and depths of the VOC samples are described in Table 2 below:

Soil samples were collected using dedicated plastic scoops, laboratory supplied containers, preserved in an ice cooler, and submitted under chain-of-custody to SGS. All Volatile Organic Compound (VOC) grab samples were collected via Terra Cores at discrete locations. SGS is a New York State Department of Health (NYSDOH) Environmental Laboratory Analysis Program (ELAP) certified laboratory. Upon completion of the analyses, New York Category B data deliverables were provided to Equity.

A duplicate sample was collected in Zone 2 for Quality Assurance/Quality Control (QA/QC) purposes.

Table 2 – VOC Sample Locations and Depths

Sample ID	Sample Depth	Sample Location
WC-1	2' – 3'	SB-2
WC-2	1.5' – 2.5'	SB-32
WC-3	3' – 4'	SB-6
WC-4	3' – 4'	SB-10
WC-5	2' – 3'	SB-14
WC-6	2' – 3'	SB-18
WC-7	2' – 3'	SB-22
WC-8	2' – 3'	SB-26
WC-9	1.5' – 2.5'	SB-30

Waste Classification Analytical Results

The analytical results for the waste classification samples are provided in Table 3 (VOCs, SVOCs, PCBs, and Total Metals) and Table 4 (TCLP). The complete laboratory report is provided in Appendix 1. Data was compared to the New York SCO Restricted Residential Standards and RCRA TCLP limits. The following is a discussion of the laboratory results:

- There were three VOCs detected throughout all the samples collected. However, no results were detected above the NY SCO Restricted Residential Standards.
- There were 20 SVOCs detected throughout all the samples collected. Seven SVOCs were found in exceedance of the NY SCO Restricted Residential Standards. The SVOCs in exceedance include:
    - Benzo(a)anthracene (maximum 39.8 mg/kg in WC-4) (Standard: 1 mg/kg)
    - Benzo(a)pyrene (maximum 34.4 mg/kg in WC-4) (Standard: 1 mg/kg)
    - Benzo(b)fluoranthene (maximum 39.5 mg/kg in WC-4) (Standard: 1 mg/kg)
    - Benzo(k)fluoranthene (maximum 17.5 mg/kg in WC-4) (Standard: 3.9 mg/kg)
    - Chrysene (maximum 34 mg/kg in WC-4) (Standard: 3.9 mg/kg)
    - Dibenzo(a,h)anthracene (maximum 6.11 mg/kg in WC-4) (Standard: 0.33 mg/kg)
    - Indeno(1,2,3-cd)pyrene (maximum 26.8 mg/kg in WC-4) (Standard: 0.5 mg/kg)
    - Total SVOC TICs (maximum 167.1 mg/kg in WC-4)
- There were 19 Metals detected throughout all the samples collected. Three Metals were found in exceedance of the NY SCO Restricted Residential Standards. The Metals in exceedance include:
    - Arsenic (maximum 21.1 mg/kg in WC-9) (Standard: 16 mg/kg)
    - Lead (maximum 1140 mg/kg in WC-2 and 1440 mg/kg in WC-201 (duplicate sample)) (Standard: 400 mg/kg)
    - Mercury (maximum 2.7 mg/kg in WC-5) (Standard: 0.81 mg/kg)

- There were three metals detected via the TCLP analysis. None of the TCLP metals results exceeded the TCLP limits.

Data Reliability

A review of the analytical data confirms the following:

- Analytical data package was complete;
- All extraction and analysis holding times were met;
- All the QC data falls within the protocol limits and specifications;
- Evaluation of the laboratory data report confirms the results presented in the data summary tables; and
- There were no discrepancies with chain of custody protocol.

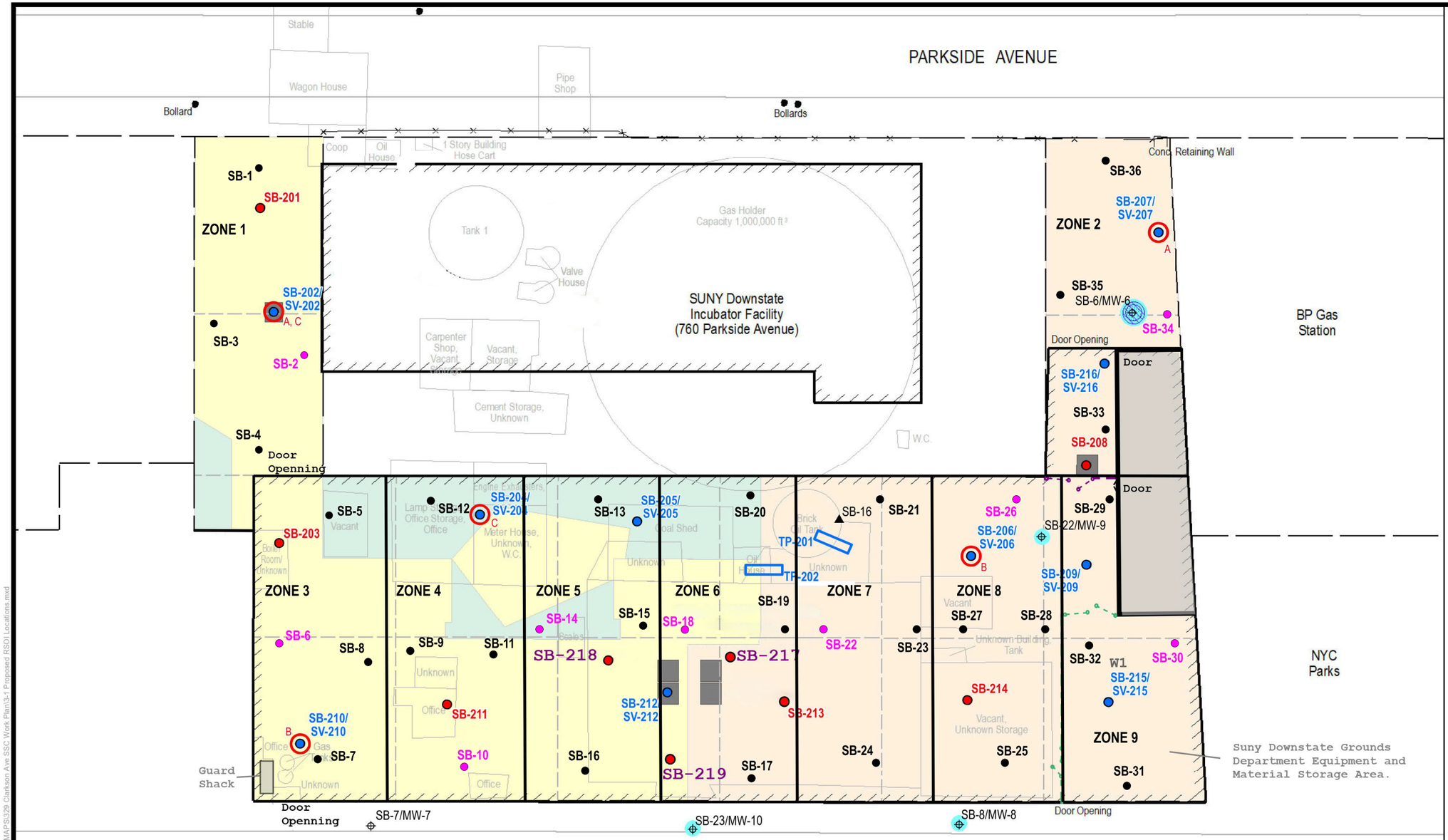
Recommendations:

All laboratory results and tables should be provided to your disposal facilities and/or brokers for review and approval in writing.

Please let Equity know if you have any questions or concerns related to the waste class sampling event. Equity is here to assist you with making the appropriate decisions to guide CAMBA Housing Ventures on this project. Please feel free to give me a call at (973) 527-7451 ext. 103.

FIGURE 1

SAMPLE LOCATION MAP



Legend

- Soil Boring
- Soil Boring and Soil Vapor Point
- Indicates one or more soil samples collected from the proposed boring and submitted for PFAS
- SC Soil Boring
- SC Monitoring Well
- 60 foot Grid Boundary
- Current Features and Property Boundary
- Fence
- Historic Structures
- Existing Building
- Test Pit
- Approximate location of Elavator Pit. Excavation depth of approximately 25 ft bgs expected by CAMBA.
- Excavation depth of approximately 18.5 ft bgs expected by CAMBA.
- Excavation depth of approximately 17 ft bgs expected by CAMBA.
- Excavation depth of approximately 14.2-14.5 ft bgs expected by CAMBA.
- NAPL Sheen/Staining
- Blebs, Globs, Lenses, Coatings
- NAPL/Naph-Like Odor
- Petroleum Sheen/Staining
- Petroleum Odor

Notes:
1. Monitoring Well, MW-5, was destroyed during Phase III construction.
2. Colored text indicates one or more compounds detected above the NYSDEC Part 375-6 Criteria:
   Blue Text - Compounds above Unrestricted Use Criteria
   Orange Text - Compounds above Residential and Restricted Residential Use Criteria
3. PFAS and SPLP PFAS Soil Sample Key:
   (Selected sample will be from interval 2 ft long or less)
   A - 0-5 ft bgs
   B - 15-25 ft bgs
   C - 45-47 ft bgs (above water table)
   See Table 3-1 for details

N

40 0 40
Feet

Equity Legend

- Composite Waste Characterization Sample Locations
- VOC Sample Location

NOTES:
1. FLATBUSH WORKS HOLDER NO. 2 DETAILS FROM BUG DRAWING # 6-B-50 (DATED DECEMBER 22, 1913).
2. MODIFIED FLATBUSH HOLDER DETAILS (HOLDER NO. 3) FROM BUG DRAWINGS # 7-B-19 (DATED DECEMBER 21, 1914).
3. NEW HOLDER AND HOLDER NO. 3 DETAILS FROM DRAWINGS # 2-E-119 (DATED APRIL 12, 1923) AND # 2-G-155 (DATED MAY 14, 1923).
4. EASTERN PROPERTY LINE DETAILS FROM DRAWING # 2-G-179 (DATED AUGUST 19, 1925).
5. THE EARLIEST DATE OF STRUCTURE RECORDED IS SHOWN.
6. SURVEY CONTROL WAS ESTABLISHED UTILIZING GPS, RTK AND CONVENTIONAL SURVEYING METHODS. FIELD WORK WAS COMPLETED FEBRUARY 2011.
7. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83-CORS NEW YORK EAST 3101)
8. VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD 88)

ACRONYMNS:
SC - Site Characterization
NE - No Exceedance
NS - No Sample
(#) - PID Screening Value
BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes
PAHs - Polycyclic Aromatic Hydrocarbons
MET - Metals
PEST - Pesticides
HERB - Herbicides
Naph - Naphthalene
Pet - Petroleum
PFAS - Per- and Polyfluoroalkyl Substances
SPLP - Synthetic Precipitation Leaching Procedure
ft bgs - Feet Below Ground Surface
(53'-79') - Depth of Impacts Observed in ft bgs

NATIONAL GRID FLATBUSH STATION A & B FORMER GAS HOLDER SITE			WASTE CLASSIFICATION SAMPLING EVENT 329 CLARKSON AVENUE BROOKLYN, NY	
DATE:	DRAWN: ML	JOB NO: 60218917		**FIGURE**

P:\Jobs\Rem_Eng\Project Files\National Grid\Flatbush A&B\60218917\900-CAD-GIS\GIS\MAPS\329 Clarkson Ave SSC Work Plan\3-1 Proposed RSO Locations.mxd

TABLE 3

ANALYTICAL DATA

(VOC, SVOC, PCBS, TOTAL METALS)

Table 3: Waste Classification Analytical Results (VOCs, SVOCs, PCBS, and TAL Metals)
329 Clarkson Avenue, Brooklyn, NY 11226

Job Number:	JD50441
Account:	Equity Environmental Engineering
Project:	329 Clarkson Ave, Brooklyn, NY
Project Number:	

PRELIMINARY / PARTIAL Data

Legend: Hit | Exceed

Client Sample ID:		NY SCO - Restricted Residential w/CP-51 (6 NYCRR 375-12/06)	WC-1	WC-2	WC-3	WC-4	WC-5	WC-6	WC-7	WC-8	WC-9	WC-201
Lab Sample ID:			JD50441-1	JD50441-2	JD50441-3	JD50441-4	JD50441-5	JD50441-6	JD50441-7	JD50441-8	JD50441-9	JD50441-10
Date Sampled:			8/20/2022	8/21/2022	8/20/2022	8/20/2022	8/20/2022	8/20/2022	8/20/2022	8/21/2022	8/21/2022	8/21/2022
Matrix:			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
MS Volatiles (SW846 8260D)												
Acetone	mg/kg	100	ND (0.0042) [a]	ND (0.0046) [a]	ND (0.0043) [a]	ND (0.0041) [a]	ND (0.0044) [a]	ND (0.0041) [a]	ND (0.0052) [a]	ND (0.0056) [a]	ND (0.0092) [a]	ND (0.0052) [a]
Benzene	mg/kg	4.8	ND (0.00046)	ND (0.00051)	ND (0.00047)	ND (0.00045)	0.0067	ND (0.00045)	ND (0.00057)	ND (0.00062)	ND (0.0010)	ND (0.00057)
Bromochloromethane	mg/kg	-	[a]	[a]	[a]	[a]	[a]	[a]	[a]	ND (0.00076) [a]	ND (0.0012) [a]	ND (0.00070) [a]
Bromodichloromethane	mg/kg	-	ND (0.00044)	ND (0.00048)	ND (0.00044)	ND (0.00042)	ND (0.00046)	ND (0.00042)	ND (0.00054)	ND (0.00058)	ND (0.00095)	ND (0.00054)
Bromoform	mg/kg	-	ND (0.0014)	ND (0.0015)	ND (0.0014)	ND (0.0013)	ND (0.0015)	ND (0.0013)	ND (0.0017)	ND (0.0019)	ND (0.0030)	ND (0.0017)
Bromomethane	mg/kg	-	ND (0.00078)	ND (0.00086)	ND (0.00079)	ND (0.00075)	ND (0.00082)	ND (0.00076)	ND (0.00096)	ND (0.0010)	ND (0.0017)	ND (0.00095)
2-Butanone (MEK)	mg/kg	100	ND (0.0025) [a]	ND (0.0027) [a]	ND (0.0025) [a]	ND (0.0024) [a]	ND (0.0026) [a]	ND (0.0024) [a]	ND (0.0031) [a]	ND (0.0033) [a]	ND (0.0054) [a]	ND (0.0030) [a]
Carbon disulfide	mg/kg	-	ND (0.00054)	ND (0.00060)	ND (0.00055)	ND (0.00053)	ND (0.00057)	ND (0.00053)	ND (0.00067)	ND (0.00073)	ND (0.0012)	ND (0.00067)
Carbon tetrachloride	mg/kg	2.4	ND (0.00063)	ND (0.00069)	ND (0.00064)	ND (0.00061)	ND (0.00066)	ND (0.00061)	ND (0.00078)	ND (0.00084)	ND (0.0014)	ND (0.00077)
Chlorobenzene	mg/kg	100	ND (0.00047)	ND (0.00051)	ND (0.00048)	ND (0.00045)	ND (0.00049)	ND (0.00045)	ND (0.00058)	ND (0.00063)	ND (0.0010)	ND (0.00057)
Chloroethane	mg/kg		ND (0.00060)	ND (0.00066)	ND (0.00061)	ND (0.00058)	ND (0.00063)	ND (0.00058)	ND (0.00074)	ND (0.00081)	ND (0.0013)	ND (0.00074)
Chloroform	mg/kg	49	ND (0.00053)	ND (0.00058)	ND (0.00054)	ND (0.00051)	ND (0.00056)	ND (0.00051)	ND (0.00065)	ND (0.00071)	ND (0.0012)	ND (0.00065)
Chloromethane	mg/kg	-	ND (0.0020) [a]	ND (0.0022) [a]	ND (0.0020) [a]	ND (0.0019) [a]	ND (0.0021) [a]	ND (0.0019) [a]	ND (0.0025) [a]	ND (0.0027) [a]	ND (0.0044) [a]	ND (0.0024) [a]
Cyclohexane	mg/kg	-	ND (0.0007)	ND (0.00074)	ND (0.00068)	ND (0.00065)	ND (0.00071)	ND (0.00065)	ND (0.00083)	ND (0.00090)	ND (0.0015)	ND (0.00082)
chloropropane	mg/kg	-	[a]	[a]	[a]	[a]	[a]	[a]	[a]	ND (0.00095) [a]	ND (0.0015) [a]	ND (0.00087) [a]
Dibromochloromethane	mg/kg		ND (0.00057)	ND (0.00063)	ND (0.00058)	ND (0.00055)	ND (0.00060)	ND (0.00055)	ND (0.00070)	ND (0.00076)	ND (0.0012)	ND (0.00070)
1,2-Dibromoethane	mg/kg	-	ND (0.00043)	ND (0.00047)	ND (0.00044)	ND (0.00041)	ND (0.00045)	ND (0.00042)	ND (0.00053)	ND (0.00057)	ND (0.00093)	ND (0.00053)
1,2-Dichlorobenzene	mg/kg	100	ND (0.00056)	ND (0.00061)	ND (0.00057)	ND (0.00054)	ND (0.00059)	ND (0.00054)	ND (0.00069)	ND (0.00074)	ND (0.0012)	ND (0.00068)
1,3-Dichlorobenzene	mg/kg	49	ND (0.00051)	ND (0.00056)	ND (0.00051)	ND (0.00049)	ND (0.00053)	ND (0.00049)	ND (0.00062)	ND (0.00068)	ND (0.0011)	ND (0.00062)
1,4-Dichlorobenzene	mg/kg	13	ND (0.00050)	ND (0.00055)	ND (0.00051)	ND (0.00049)	ND (0.00053)	ND (0.00049)	ND (0.00062)	ND (0.00067)	ND (0.0011)	ND (0.00062)
Dichlorodifluoromethane	mg/kg	-	[a]	[a]	[a]	[a]	[a]	[a]	[a]	ND (0.00099) [a]	ND (0.0016) [a]	ND (0.00091) [a]
1,1-Dichloroethane	mg/kg	26	ND (0.00050)	ND (0.00055)	ND (0.00051)	ND (0.00049)	ND (0.00053)	ND (0.00049)	ND (0.00062)	ND (0.00067)	ND (0.0011)	ND (0.00062)
1,2-Dichloroethane	mg/kg	3.1	ND (0.00048)	ND (0.00053)	ND (0.00049)	ND (0.00046)	ND (0.00050)	ND (0.00047)	ND (0.00059)	ND (0.00064)	ND (0.0010)	ND (0.00059)
1,1-Dichloroethene	mg/kg	100	ND (0.00067)	ND (0.00073)	ND (0.00068)	ND (0.00064)	ND (0.00070)	ND (0.00065)	ND (0.00082)	ND (0.00089)	ND (0.0015)	ND (0.00082)
cis-1,2-Dichloroethene	mg/kg	100	ND (0.00086)	ND (0.00094)	ND (0.00087)	ND (0.00083)	ND (0.00090)	ND (0.00083)	ND (0.0011)	ND (0.0011)	ND (0.0019)	ND (0.0010)
trans-1,2-Dichloroethene	mg/kg	100	ND (0.00062)	ND (0.00068)	ND (0.00063)	ND (0.00060)	ND (0.00066)	ND (0.00060)	ND (0.00077)	ND (0.00083)	ND (0.0014)	ND (0.00076)
1,2-Dichloropropane	mg/kg		ND (0.00048)	ND (0.00053)	ND (0.00049)	ND (0.00046)	ND (0.00051)	ND (0.00047)	ND (0.00059)	ND (0.00064)	ND (0.0011)	ND (0.00059)
cis-1,3-Dichloropropene	mg/kg	-	ND (0.00048)	ND (0.00053)	ND (0.00049)	ND (0.00047)	ND (0.00051)	ND (0.00047)	ND (0.00060)	ND (0.00065)	ND (0.0011)	ND (0.00059)
trans-1,3-Dichloropropene	mg/kg	-	ND (0.00047)	ND (0.00051)	ND (0.00047)	ND (0.00045)	ND (0.00049)	ND (0.00045)	ND (0.00057)	ND (0.00062)	ND (0.0010)	ND (0.00057)
Ethylbenzene	mg/kg	41	ND (0.00046)	ND (0.00051)	ND (0.00047)	ND (0.00044)	ND (0.00049)	ND (0.00045)	ND (0.00057)	ND (0.00062)	ND (0.0010)	ND (0.00057)
Freon 113	mg/kg		ND (0.0027)	ND (0.0030)	ND (0.0028)	ND (0.0026)	ND (0.0029)	ND (0.0026)	ND (0.0034)	ND (0.0036)	ND (0.0059)	ND (0.0033)
2-Hexanone	mg/kg	-	ND (0.0022) [a]	ND (0.0024) [a]	ND (0.0022) [a]	ND (0.0021) [a]	ND (0.0023) [a]	ND (0.0021) [a]	ND (0.0027) [a]	ND (0.0029) [a]	ND (0.0047) [a]	ND (0.0026) [a]
Isopropylbenzene	mg/kg		ND (0.0014)	ND (0.0016)	ND (0.0015)	ND (0.0014)	ND (0.0015)	ND (0.0014)	ND (0.0018)	ND (0.0019)	ND (0.0032)	ND (0.0018)
Methyl Acetate	mg/kg	-	ND (0.0014)	ND (0.0016)	ND (0.0014)	ND (0.0014)	ND (0.0015)	ND (0.0014)	ND (0.0017)	ND (0.0019)	ND (0.0031)	ND (0.0017)
Methylcyclohexane	mg/kg	-	ND (0.00089)	ND (0.00098)	ND (0.00091)	ND (0.00086)	ND (0.00094)	ND (0.00087)	ND (0.0011)	ND (0.0012)	ND (0.0019)	ND (0.0011)
Methyl Tert Butyl Ether	mg/kg	100	ND (0.00048)	ND (0.00053)	ND (0.00049)	ND (0.00046)	ND (0.00050)	ND (0.00046)	ND (0.00059)	ND (0.00064)	ND (0.0010)	ND (0.00058)
pentanone(MIBK)	mg/kg		ND (0.0023) [a]	ND (0.0025) [a]	ND (0.0024) [a]	ND (0.0022) [a]	ND (0.0024) [a]	ND (0.0022) [a]	ND (0.0029) [a]	ND (0.0031) [a]	ND (0.0050) [a]	ND (0.0028) [a]
Methylene chloride	mg/kg	100	ND (0.0027)	ND (0.0029)	ND (0.0027)	ND (0.0026)	ND (0.0028)	ND (0.0026)	ND (0.0033)	ND (0.0036)	ND (0.0058)	ND (0.0033)
Styrene	mg/kg		ND (0.00041)	ND (0.00045)	ND (0.00042)	ND (0.00039)	ND (0.00043)	ND (0.00040)	ND (0.00051)	ND (0.00055)	ND (0.00089)	ND (0.00050)
1,1,2,2-Tetrachloroethane	mg/kg		ND (0.00061)	ND (0.00067)	ND (0.00062)	ND (0.00059)	ND (0.00064)	ND (0.00059)	ND (0.00075)	ND (0.00082)	ND (0.0013)	ND (0.00075)
Tetrachloroethene	mg/kg	19	ND (0.00059)	ND (0.00065)	ND (0.00060)	ND (0.00057)	ND (0.00062)	ND (0.00057)	ND (0.00073)	ND (0.00079)	ND (0.0013)	ND (0.00072)
Toluene	mg/kg	100	ND (0.00053)	ND (0.00059)	ND (0.00054)	ND (0.00052)	0.0017	ND (0.00052)	ND (0.00066)	ND (0.00072)	ND (0.0012)	ND (0.00065)
1,2,3-Trichlorobenzene	mg/kg		ND (0.0025)	ND (0.0028)	ND (0.0026)	ND (0.0025)	ND (0.0027)	ND (0.0025)	ND (0.0031)	ND (0.0034)	ND (0.0056)	ND (0.0031)
1,2,4-Trichlorobenzene	mg/kg		ND (0.0025)	ND (0.0028)	ND (0.0026)	ND (0.0025)	ND (0.0027)	ND (0.0025)	ND (0.0031)	ND (0.0034)	ND (0.0056)	ND (0.0031)
1,1,1-Trichloroethane	mg/kg	100	ND (0.00049)	ND (0.00054)	ND (0.00050)	ND (0.00047)	ND (0.00052)	ND (0.00048)	ND (0.00061)	ND (0.00066)	ND (0.0011)	ND (0.00060)
1,1,2-Trichloroethane	mg/kg	-	ND (0.00056)	ND (0.00062)	ND (0.00057)	ND (0.00054)	ND (0.00059)	ND (0.00055)	ND (0.00070)	ND (0.00076)	ND (0.0012)	ND (0.00069)
Trichloroethene	mg/kg	21	ND (0.00078)	ND (0.00085)	0.017	ND (0.00075)	ND (0.00082)	ND (0.00075)	ND (0.00096)	ND (0.0010)	ND (0.0017)	ND (0.00095)
Trichlorofluoromethane	mg/kg	-	ND (0.00070)	ND (0.00077)	ND (0.00071)	ND (0.00067)	ND (0.00073)	ND (0.00068)	ND (0.00086)	ND (0.00093)	ND (0.0015)	ND (0.00085)
Vinyl chloride	mg/kg	0.9	[a]	[a]	[a]	[a]	[a]	[a]	[a]	ND (0.00066) [a]	ND (0.0011) [a]	ND (0.00060) [a]
m,p-Xylene	mg/kg	100	ND (0.00091)	ND (0.0010)	ND (0.00093)	ND (0.00088)	ND (0.00096)	ND (0.00089)	ND (0.0011)	ND (0.0012)	ND (0.0020)	ND (0.0011)
o-Xylene	mg/kg	100	ND (0.00047)	ND (0.00051)	ND (0.00048)	ND (0.00045)	ND (0.00049)	ND (0.00045)	ND (0.00058)	ND (0.00062)	ND (0.0010)	ND (0.00057)
Xylene (total)	mg/kg	100	ND (0.00047)	ND (0.00051)	ND (0.00048)	ND (0.00045)	ND (0.00049)	ND (0.00045)	ND (0.00058)	ND (0.00062)	ND (0.0010)	ND (0.00057)
MS Volatile TIC												
Total TIC, Volatile	mg/kg	-	0	0	0	0	0	0	0	0	0	0
MS Semi-volatiles (SW846 8270E)												
2-Chlorophenol	mg/kg		ND (0.039)	ND (0.019)	ND (0.020)	ND (0.20)	ND (0.088)	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.041)
4-Chloro-3-methyl phenol	mg/kg	-	ND (0.048) [a]	ND (0.023) [a]	ND (0.024) [a]	ND (0.25)	ND (0.11)	ND (0.022) [a]	ND (0.023) [a]	ND (0.024) [a]	ND (0.024) [a]	ND (0.051)
2,4-Dichlorophenol	mg/kg		ND (0.067)	ND (0.033)	ND (0.034)	ND (0.34)	ND (0.15)	ND (0.031)	ND (0.032)	ND (0.033)	ND (0.033)	ND (0.071)
2,4-Dimethylphenol	mg/kg	-	ND (0.14)	ND (0.068)	ND (0.071)	ND (0.72)	ND (0.32)	ND (0.065)	ND (0.068)	ND (0.069)	ND (0.070)	ND (0.15)
2,4-Dinitrophenol	mg/kg		ND (0.30) [a]	ND (0.14) [a]	ND (0.15) [a]	ND (1.5) [a]	ND (0.67) [a]	ND (0.14) [a]	ND (0.14) [a]	ND (0.15) [a]	ND (0.15) [a]	ND (0.31) [a]
4,6-Dinitro-o-cresol	mg/kg	-	ND (0.084) [a]	ND (0.041) [a]	ND (0.043) [a]	ND (0.43) [a]	ND (0.19)	ND (0.039) [a]	ND (0.041) [a]	ND (0.042) [a]	ND (0.042) [a]	ND (0.089) [a]
2-Methylphenol	mg/kg	100	ND (0.050) [a]	ND (0.024) [a]	ND (0.025) [a]	ND (0.26)	ND (0.11)	ND (0.023) [a]	ND (0.024) [a]	ND (0.025) [a]	ND (0.025) [a]	ND (0.053)
3&4-Methylphenol	mg/kg	-	ND (0.065)	ND (0.031)	ND (0.033)	ND (0.33)	ND (0.15)	ND (0.030)	ND (0.031)	ND (0.032)	ND (0.032)	ND (0.069)
2-Nitrophenol	mg/kg		ND (0.052) [a]	ND (0.025) [a]	ND (0.026) [a]	ND (0.27) [a]	ND (0.12) [a]	ND (0.024) [a]	ND (0.025) [a]	ND (0.026) [a]	ND (0.026) [a]	ND (0.055) [a]
4-Nitrophenol	mg/kg		ND (0.21)	ND (0.10)	ND (0.11)	ND (1.1) [a]	ND (0.48)	ND (0.097)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.22) [a]
Pentachlorophenol	mg/kg	6.7	ND (0.074)	ND (0.036)	ND (0.037)	ND (0.38)	ND (0.17)	ND (0.034)	ND (0.036)	ND (0.037)	ND (0.037)	ND (0.078)
Phenol	mg/kg	100	ND (0.041)	ND (0.020)	ND (0.021)	ND (0.21)	ND (0.093)	ND (0.019)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.044)
2,3,4,6-Tetrachlorophenol	mg/kg	-	ND (0.052) [a]	ND (0.025) [a]	ND (0.026) [a]	ND (0.27)	ND (0.12)	ND (0.024) [a]	ND (0.025) [a]	ND (0.026) [a]	ND (0.026) [a]	ND (0.055)
2,4,5-Trichlorophenol	mg/kg		ND (0.059)	ND (0.029)	ND (0.030)	ND (0.30)	ND (0.13)	ND (0.027)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.062)
2,4,6-Trichlorophenol	mg/kg		ND (0.047)	ND (0.023)	ND (0.024)	ND (0.24)	ND (0.11)	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.050)
Acenaphthene	mg/kg	100	ND (0.027)	1.06	ND (0.014)	0.486	ND (0.062)	0.0231 J	0.072	ND (0.013)	ND (0.013)	0.197
Acenaphthylene	mg/kg	100	0.161	0.175	0.0210 J	7.54	0.113 J	0.104	0.693	0.0262 J	0.518	0.156
Acetophenone	mg/kg	-	ND (0.017)	ND (0.0082)	ND (0.0085)	ND (0.087)	ND (0.038)	ND (0.0078)	ND (0.0082)	ND (0.0084)	ND (0.0084)	ND (0.018)
Anthracene	mg/kg	100	0.179	2.6	ND (0.024)	10.1	ND (0.11)	0.118	0.582	ND (0.024)	0.175	0.55
Atrazine	mg/kg	-	ND (0.034)	ND (0.016)	ND (0.017)	ND (0.17)	ND (0.077)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.036)
Benzo(a)anthracene	mg/kg	1	**1.06**	**11.3**	0.132	**39.8**	0.665	0.85	**5.15**	0.0946	0.409	**2.68**
Benzo(a)pyrene	mg/kg	1	**1.13**	**10.7**	0.249	**34.4**	0.743	0.697	**6.34**	0.0949	**1.57**	**2.51**
Benzo(b)fluoranthene	mg/kg	1	**1.34**	**13.6**	0.302	**39.5**	0.884	**1.02**	**7.08**	0.136	**1.64**	**3.19**
Benzo(g,h,i)perylene	mg/kg	100	0.701	6	0.206	21	0.45	0.472	4.43	0.0537	2.03	1.52
Benzo(k)fluoranthene	mg/kg	3.9	0.46	**4.91**	0.0789	**17.5**	0.333	0.328	2.58	0.0302 J	0.463	1.17
4-Bromophenyl phenyl	mg/kg	-	ND (0.030)	ND (0.015)	ND (0.015)	ND (0.16)	ND (0.069)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.032)
Butyl benzyl phthalate	mg/kg		ND (0.019)	ND (0.0093)	ND (0.0097)	ND (0.098)	ND (0.044)	ND (0.0089)	ND (0.0093)	ND (0.0095)	ND (0.0095)	ND (0.020)
1,1'-Biphenyl	mg/kg		ND (0.011)	0.0633 J	ND (0.0054)	0.245 J	ND (0.025)	ND (0.0050)	0.0274 J	0.0107 J	0.0149 J	0.0245 J
Benzaldehyde	mg/kg	-	ND (0.019)	ND (0.0095)	ND (0.0099)	ND (0.10)	ND (0.044)	ND (0.0090)	ND (0.0094)	ND (0.0097)	ND (0.0097)	ND (0.021)
2-Chloronaphthalene	mg/kg	-	ND (0.019)	ND (0.0091)	ND (0.0095)	ND (0.096)	ND (0.043)	ND (0.0087)	ND (0.0091)	ND (0.0093)	ND (0.0093)	ND (0.020)
4-Chloroaniline	mg/kg		ND (0.028)	ND (0.014)	ND (0.014)	ND (0.15)	ND (0.064)	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.030)
Carbazole	mg/kg	-	0.0681 J	0.466	ND (0.0058)	1.15	ND (0.026)	0.0858	0.131	ND (0.0056)	0.0305 J	0.107 J
Caprolactam	mg/kg	-	ND (0.031) [c]	ND (0.015) [c]	ND (0.016) [c]	ND (0.16)	ND (0.071)	ND (0.014) [c]	ND (0.015) [c]	ND (0.015) [c]	ND (0.015) [c]	ND (0.033)
Chrysene	mg/kg	3.9	1.18	**10.3**	0.142	**34**	0.624	1.09	**4.51**	0.14	0.564	2.47
bis(2-ethylhexyl)phthalate	mg/kg	-	ND (0.017)	ND (0.0082)	ND (0.0085)	ND (0.086)	ND (0.038)	ND (0.0078)	ND (0.0081)	ND (0.0083)	ND (0.0084)	ND (0.018)
bis(2-Chloroethyl)ether	mg/kg	-	ND (0.034) [a]	ND (0.016) [a]	ND (0.017) [a]	ND (0.17)	ND (0.077)	ND (0.016) [a]	ND (0.016) [a]	ND (0.017) [a]	ND (0.017) [a]	ND (0.036)
2,2'-Oxybis(1-chloropropane)	mg/kg	-	ND (0.028)	ND (0.014)	ND (0.014)	ND (0.14)	ND (0.064)	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.030)
4-Chlorophenyl phenyl	mg/kg	-	ND (0.025)	ND (0.012)	ND (0.013)	ND (0.13)	ND (0.058)	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.027)
2,4-Dinitrotoluene	mg/kg	-	ND (0.024) [a]	ND (0.012) [a]	ND (0.012) [a]	ND (0.13) [a]	ND (0.055) [a]	ND (0.011) [a]	ND (0.012) [a]	ND (0.012) [a]	ND (0.012) [a]	ND (0.026) [a]
2,6-Dinitrotoluene	mg/kg		ND (0.039) [a]	ND (0.019) [a]	ND (0.020) [a]	ND (0.20) [a]	ND (0.090) [a]	ND (0.018) [a]	ND (0.019) [a]	ND (0.020) [a]	ND (0.020) [a]	ND (0.042) [a]
3,3'-Dichlorobenzidine	mg/kg	-	ND (0.066)	ND (0.032)	ND (0.033)	ND (0.34) [a]	ND (0.15)	ND (0.030)	ND (0.032)	ND (0.032)	ND (0.033)	ND (0.070) [a]
1,4-Dioxane	mg/kg	13	ND (0.052)	ND (0.025)	ND (0.026)	ND (0.27)	ND (0.12)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.026)	ND (0.055)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.231	**2.66**	0.0589	**6.11**	0.261	0.189	**1.4**	0.0294 J	**0.412**	**0.438**
Dibenzofuran	mg/kg	59	0.0342 J	0.413	ND (0.016)	2.11	ND (0.073)	0.0255 J	0.0715 J	ND (0.016)	ND (0.016)	0.0935 J

Table 3: Waste Classification Analytical Results (VOCs, SVOCs, PCBS, and TAL Metals)
329 Clarkson Avenue, Brooklyn, NY 11226

Job Number:	JD50441
Account:	Equity Environmental Engineering
Project:	329 Clarkson Ave, Brooklyn, NY
Project Number:	

PRELIMINARY / PARTIAL Data

Legend: Hit | Exceed

Client Sample ID:		NY SCO - Restricted Residential w/CP-51 (6 NYCRR 375-12/06)	WC-1	WC-2	WC-3	WC-4	WC-5	WC-6	WC-7	WC-8	WC-9	WC-201
Lab Sample ID:			JD50441-1	JD50441-2	JD50441-3	JD50441-4	JD50441-5	JD50441-6	JD50441-7	JD50441-8	JD50441-9	JD50441-10
Date Sampled:			8/20/2022	8/21/2022	8/20/2022	8/20/2022	8/20/2022	8/20/2022	8/20/2022	8/21/2022	8/21/2022	8/21/2022
Matrix:			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
MS Semi-volatiles (SW846 8270E)												
Di-n-butyl phthalate	mg/kg		ND (0.013)	ND (0.0062)	ND (0.0065)	ND (0.066)	ND (0.029)	ND (0.0059)	ND (0.0062)	ND (0.0063)	ND (0.0064)	ND (0.014)
Di-n-octyl phthalate	mg/kg		ND (0.020) [a]	ND (0.0095) [a]	ND (0.0099) [a]	ND (0.10) [a]	ND (0.045)	ND (0.0091) [a]	ND (0.0095) [a]	ND (0.0097) [a]	ND (0.0097) [a]	ND (0.021) [a]
Diethyl phthalate	mg/kg		ND (0.017)	ND (0.0081)	ND (0.0085)	ND (0.086)	ND (0.038)	ND (0.0078)	ND (0.0081)	ND (0.0083)	ND (0.0083)	ND (0.018)
Dimethyl phthalate	mg/kg		ND (0.014)	ND (0.0068)	ND (0.0071)	ND (0.072)	ND (0.032)	ND (0.0065)	ND (0.0068)	ND (0.0069)	ND (0.0070)	ND (0.015)
bis(2-Ethylhexyl)phthalate	mg/kg		ND (0.018)	ND (0.0089)	ND (0.0093)	ND (0.094) [a]	ND (0.042)	ND (0.0085)	ND (0.0089)	ND (0.0091)	ND (0.0091)	ND (0.020) [a]
Fluoranthene	mg/kg	100	1.38	20.1	0.11	60.3	0.757	1.39	7.13	0.0993	0.289	4.59
Fluorene	mg/kg	100	0.094	0.69	ND (0.018)	2.7	ND (0.082)	0.0416	0.0894	ND (0.018)	ND (0.018)	0.124
Hexachlorobenzene	mg/kg	1.2	ND (0.020)	ND (0.0097)	ND (0.010)	ND (0.10)	ND (0.045)	ND (0.0092)	ND (0.0096)	ND (0.0099)	ND (0.0099)	ND (0.021)
Hexachlorobutadiene	mg/kg	-	ND (0.032) [a]	ND (0.015) [a]	ND (0.016) [a]	ND (0.16)	ND (0.072)	ND (0.015) [a]	ND (0.015) [a]	ND (0.016) [a]	ND (0.016) [a]	ND (0.034)
Hexachlorocyclopentadiene	mg/kg		ND (0.031)	ND (0.015)	ND (0.016)	ND (0.16)	ND (0.071)	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.033)
Hexachloroethane	mg/kg	-	ND (0.039) [a]	ND (0.019) [a]	ND (0.020) [a]	ND (0.20)	ND (0.089)	ND (0.018) [a]	ND (0.019) [a]	ND (0.019) [a]	ND (0.019) [a]	ND (0.041)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	**0.822**	**7.67**	0.217	**26.8**	**0.652**	**0.526**	**5.01**	0.0759	**1.67**	**1.87**
Isophorone	mg/kg		ND (0.017) [a]	ND (0.0082) [a]	ND (0.0085) [a]	ND (0.086)	ND (0.038)	ND (0.0078) [a]	ND (0.0081) [a]	ND (0.0083) [a]	ND (0.0084) [a]	ND (0.018)
2-Methylnaphthalene	mg/kg		0.0367 J	0.149	ND (0.0090)	0.729	ND (0.040)	ND (0.0082)	0.0834	0.0204 J	0.057	0.0668 J
2-Nitroaniline	mg/kg		ND (0.019) [a]	ND (0.0090) [a]	ND (0.0094) [a]	ND (0.095)	ND (0.042)	ND (0.0086) [a]	ND (0.0090) [a]	ND (0.0092) [a]	ND (0.0092) [a]	ND (0.020)
3-Nitroaniline	mg/kg		ND (0.020)	ND (0.0095)	ND (0.0099)	ND (0.10) [a]	ND (0.045)	ND (0.0091)	ND (0.0095)	ND (0.0097)	ND (0.0098)	ND (0.021) [a]
4-Nitroaniline	mg/kg	-	ND (0.020)	ND (0.0099)	ND (0.010)	ND (0.10) [a]	ND (0.046) [a]	ND (0.0094)	ND (0.0099)	ND (0.010)	ND (0.010)	ND (0.022) [a]
Naphthalene	mg/kg	100	0.0397 J	0.31	ND (0.011)	1.74	ND (0.050)	0.0288 J	0.251	0.0388 J	0.0982	0.158
Nitrobenzene	mg/kg	15	ND (0.030) [a]	ND (0.015) [a]	ND (0.015) [a]	ND (0.16)	ND (0.069)	ND (0.014) [a]	ND (0.015) [a]	ND (0.015) [a]	ND (0.015) [a]	ND (0.032)
N-Nitroso-di-n-propylamine	mg/kg	-	ND (0.023) [a]	ND (0.011) [a]	ND (0.011) [a]	ND (0.12)	ND (0.052) [a]	ND (0.011) [a]	ND (0.011) [a]	ND (0.011) [a]	ND (0.011) [a]	ND (0.024)
N-Nitrosodiphenylamine	mg/kg		ND (0.029)	ND (0.014)	ND (0.015)	ND (0.15)	ND (0.066)	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.031)
Phenanthrene	mg/kg	100	0.82	8.08	0.0243 J	29.7	0.229	0.696	1.3	0.0912	0.173	1.69
Pyrene	mg/kg	100	1.83	18	0.162	54.3	0.826	1.6	7.17	0.159	0.58	4.21
1,2,4,5-Tetrachlorobenzene	mg/kg	-	ND (0.020)	ND (0.0097)	ND (0.010)	ND (0.10)	ND (0.045)	ND (0.0093)	ND (0.0097)	ND (0.0099)	ND (0.0099)	ND (0.021)
MS Semi-volatile TIC												
Total TIC, Semi-Volatile	mg/kg	-	8.7 J	56.3 J	0.48 J	167.1 J	0	7.22 J	29.56 J	4.21 J	9.59 J	13.05 J
GC/LC Semi-volatiles (SW846 8082A)												
Aroclor 1016	mg/kg	1	ND (0.017)	-	ND (0.019)	ND (0.019)	ND (0.016)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.019)
Aroclor 1221	mg/kg	1	ND (0.023)	-	ND (0.025)	ND (0.025)	ND (0.021)	ND (0.023)	ND (0.022)	ND (0.024)	ND (0.023)	ND (0.026)
Aroclor 1232	mg/kg	1	ND (0.023)	-	ND (0.025)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.026)
Aroclor 1242	mg/kg	1	ND (0.015)	-	ND (0.016)	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.017)
Aroclor 1248	mg/kg	1	ND (0.033)	-	ND (0.035)	ND (0.036)	ND (0.031)	ND (0.034)	ND (0.032)	ND (0.034)	ND (0.033)	ND (0.037)
Aroclor 1254	mg/kg	1	ND (0.020)	-	ND (0.021)	ND (0.022)	ND (0.018)	ND (0.020)	ND (0.019)	ND (0.021)	ND (0.020)	ND (0.022)
Aroclor 1260	mg/kg	1	ND (0.018)	-	ND (0.017)	ND (0.017)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.018)
Aroclor 1268	mg/kg	1	ND (0.015)	-	ND (0.017)	ND (0.017)	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.017)
Aroclor 1262	mg/kg	1	ND (0.024)	-	ND (0.026)	ND (0.026)	ND (0.022)	ND (0.025)	ND (0.023)	ND (0.025)	ND (0.024)	ND (0.027)
Metals Analysis												
Aluminum	mg/kg		13200	9470	18100	16600	5320	9160	8420	8400	8680	11000
Antimony	mg/kg		<2.5	<2.4	<2.4	<2.4	<2.2	<2.3	<2.5	<2.4	<2.4	<2.6
Arsenic	mg/kg	16	7.5	11.1	6	6.3	11.4	15.4	9.7	9.2	**21.1**	13.1
Barium	mg/kg	400	71.4	135	76	58.5	76.7	125	91.1	80	138	160
Beryllium	mg/kg	72	0.7	0.67	0.75	0.71	0.48	0.6	0.57	0.92	0.61	0.71
Cadmium	mg/kg	4.3	<0.63	1.2	<0.61	<0.61	<0.55	0.7	<0.62	1.1	<0.60	1.2
Calcium	mg/kg		17200	13300	1540	4100	20200	16400	43600	25900	4420	16600
Chromium	mg/kg	-	19.4	17.6	21.5	21.3	12	18.1	14.2	11.8	15.8	18.9
Cobalt	mg/kg		8.4	<6.0	6.2	7.5	<5.5	6.4	<6.2	20.7	6.9	6.9
Copper	mg/kg	270	87.4	157	13.5	16	58.5	50.3	43.7	201	102	159
Iron	mg/kg		18900	15600	19100	20300	13500	21700	13800	11800	23100	19100
Lead	mg/kg	400	144	**1140**	57.6	63	118	275	163	90.4	248	**1440**
Magnesium	mg/kg	-	9950	3290	2670	2980	3860	4040	2960	3040	1860	3710
Manganese	mg/kg	2000	287	240	269	305	171	305	247	357	194	296
Mercury	mg/kg	0.81	0.59	0.44	<0.036	**1.1**	**2.7**	0.62	0.42	0.12	0.21	**4.7**
Nickel	mg/kg	310	19.7	16.5	15.4	19	15.8	22.8	18.8	41.3	15.9	18.6
Potassium	mg/kg	-	<1300	<1200	<1200	<1200	<1100	<1200	<1200	<1200	<1200	<1300
Selenium	mg/kg	180	<2.5	<2.4	<2.4	<2.4	<2.2	<2.3	<2.5	<2.4	2.8	<2.6
Silver	mg/kg	180	<0.63	<0.60	<0.61	<0.61	<0.55	0.73	<0.62	<0.59	<0.60	<0.64
Sodium	mg/kg	-	<1300	<1200	<1200	<1200	<1100	<1200	<1200	<1200	<1200	<1300
Thallium	mg/kg		<1.3	<1.2	<1.2	<1.2	<1.1	<1.2	<1.2	<1.2	<1.2	<1.3
Vanadium	mg/kg		27.5	23.9	31.9	30.4	17.1	26	19.5	17.7	25	42.4
Zinc	mg/kg	10000	145	506	75.1	142	142	211	178	532	208	493
General Chemistry												
Solids, Percent	%	-	83.2	82.6	81.7	82.1	91.3	87.1	82.9	85.3	83.4	78.6

Footnotes:

[a] Associated CCV outside of control limits high, sample was ND.

[c] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. SGS assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

42 results exceeded regulatory criteria.

TABLE 4

TCLP METALS

Table 4: Waste Classification Analytical Results (TCLP)
329 Clarkson Avenue, Brooklyn, NY 11226

Job Number:	**JD50441R**
Account:	**Equity Environmental Engineering**
Project:	**329 Clarkson Ave, Brooklyn, NY**
Project Number:	

Legend: Hit | **Exceed**

Client Sample ID:		TCLP Maximum Contaminant Concentrations (40 CFR 261 7/1/11)	WC-1	WC-2	WC-3	WC-4	WC-5	WC-6	WC-7	WC-8	WC-9	WC-201
Lab Sample ID:			JD50441-1AR	JD50441-2AR	JD50441-3AR	JD50441-4AR	JD50441-5AR	JD50441-6AR	JD50441-7AR	JD50441-8AR	JD50441-9AR	JD50441-10AR
Date Sampled:			8/20/2022	8/21/2022	8/20/2022	8/20/2022	8/20/2022	8/20/2022	8/20/2022	8/21/2022	8/21/2022	8/21/2022
Matrix:			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Metals Analysis												
Arsenic	mg/l	5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Barium	mg/l	100	0.42	0.45	0.27	0.28	<0.20	0.33	0.26	0.48	0.21	0.44
Cadmium	mg/l	1	<0.0040	0.0082	<0.0040	<0.0040	<0.0040	0.0055	<0.0040	0.007	<0.0040	0.0046
Chromium	mg/l	5	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead	mg/l	5	<0.10	0.99	<0.10	<0.10	<0.10	<0.10	<0.10	1.6	<0.10	0.45
Mercury	mg/l	0.2	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Selenium	mg/l	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/l	5	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. SGS assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

No results exceeded regulatory criteria.

ATTACHMENT 1

ANALYTICAL LABORATORY DATA PACAKGES

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Equity Environmental Engineering

329 Clarkson Ave, Brooklyn, NY

SGS Job Number: JD50441R

Sampling Dates: 08/20/22 - 08/21/22



Report to:

Equity Environmental Engineering
500 International Drive Suite 150
Mount Olive, NJ 07828
bob.jackson@equityenvironmental.com; kelly.florczak@equityenvironmental.com

ATTN: Bob Jackson

Total number of pages in report: **204**

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

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200

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

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Test results relate only to samples analyzed.

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EHS.US.CustomerCare@sgs.com

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SGS North America Inc.

Sample Summary

Equity Environmental Engineering

329 Clarkson Ave, Brooklyn, NY

Job No: JD50441R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD50441-1AR	08/20/22	09:45	KF	08/22/22	SO	Soil	WC-1
JD50441-2AR	08/21/22	11:30	KF	08/22/22	SO	Soil	WC-2
JD50441-3AR	08/20/22	10:30	KF	08/22/22	SO	Soil	WC-3
JD50441-4AR	08/20/22	11:15	KF	08/22/22	SO	Soil	WC-4
JD50441-5AR	08/20/22	12:15	KF	08/22/22	SO	Soil	WC-5
JD50441-6AR	08/20/22	13:45	KF	08/22/22	SO	Soil	WC-6
JD50441-7AR	08/20/22	14:15	KF	08/22/22	SO	Soil	WC-7
JD50441-8AR	08/21/22	09:30	KF	08/22/22	SO	Soil	WC-8
JD50441-9AR	08/21/22	10:20	KF	08/22/22	SO	Soil	WC-9
JD50441-10AR	08/21/22	11:30	KF	08/22/22	SO	Soil	WC-201

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Equity Environmental Engineering	**Job No:**	JD50441R
Site:	329 Clarkson Ave, Brooklyn, NY	**Report Date**	9/14/2022 9:38:36 AM

On 08/22/2022, 10 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 5.3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD50441R was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

Metals Analysis By Method SW846 6010D

Matrix: LEACHATE **Batch ID:** MP35088

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD51273-1AMS, JD51273-1AMSD, JD51273-1ASDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Lead, Silver are outside control limits for sample MP35088-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- Samples(s) JD50441-10AR, JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR: New York does not offer 3010A certification for antimony and silver. The laboratory is certified for method 3010A (Acid Digestion for Total Metals) for all other metals and is certified for the associated analytical methods of 6010C (ICP Analysis) and 6020A (ICP-MS Analysis). New York does certify for method 3005A (Acid Digestion for Total Recoverable or Dissolved Metals) for antimony and silver and the laboratory holds that certification, but that provides total recoverable rather than total metals results.

Metals Analysis By Method SW846 7470A

Matrix: LEACHATE **Batch ID:** MP35070

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD51273-1AMS, JD51273-1AMSD were used as the QC samples for metals.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD50441R
Account: Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Collected: 08/20/22 thru 08/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD50441-1AR	**WC-1**					
Barium		0.42	0.20		mg/l	SW846 6010D
JD50441-2AR	**WC-2**					
Barium		0.45	0.20		mg/l	SW846 6010D
Cadmium		0.0082	0.0040		mg/l	SW846 6010D
Lead		0.99	0.10		mg/l	SW846 6010D
JD50441-3AR	**WC-3**					
Barium		0.27	0.20		mg/l	SW846 6010D
JD50441-4AR	**WC-4**					
Barium		0.28	0.20		mg/l	SW846 6010D
JD50441-5AR	**WC-5**					
No hits reported in this sample.						
JD50441-6AR	**WC-6**					
Barium		0.33	0.20		mg/l	SW846 6010D
Cadmium		0.0055	0.0040		mg/l	SW846 6010D
JD50441-7AR	**WC-7**					
Barium		0.26	0.20		mg/l	SW846 6010D
JD50441-8AR	**WC-8**					
Barium		0.48	0.20		mg/l	SW846 6010D
Cadmium		0.0070	0.0040		mg/l	SW846 6010D
Lead		1.6	0.10		mg/l	SW846 6010D
JD50441-9AR	**WC-9**					
Barium		0.21	0.20		mg/l	SW846 6010D
JD50441-10AR	**WC-201**					
Barium		0.44	0.20		mg/l	SW846 6010D
Cadmium		0.0046	0.0040		mg/l	SW846 6010D

Summary of Hits

Job Number: JD50441R
Account: Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Collected: 08/20/22 thru 08/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		0.45	0.10		mg/l	SW846 6010D

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	WC-1		
Lab Sample ID:	JD50441-1AR	**Date Sampled:**	08/20/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	83.2
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.42	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-2		
Lab Sample ID:	JD50441-2AR	**Date Sampled:**	08/21/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	82.6
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.45	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	0.0082	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	0.99	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID: WC-3
Lab Sample ID: JD50441-3AR
Matrix: SO - Soil
Project: 329 Clarkson Ave, Brooklyn, NY

Date Sampled: 08/20/22
Date Received: 08/22/22
Percent Solids: 81.7

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.27	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-4		
Lab Sample ID:	JD50441-4AR	**Date Sampled:**	08/20/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	82.1
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.28	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-5		
Lab Sample ID:	JD50441-5AR	**Date Sampled:**	08/20/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	91.3
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	< 0.20	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID: WC-6
Lab Sample ID: JD50441-6AR
Matrix: SO - Soil
Project: 329 Clarkson Ave, Brooklyn, NY

Date Sampled: 08/20/22
Date Received: 08/22/22
Percent Solids: 87.1

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.33	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	0.0055	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-7		
Lab Sample ID:	JD50441-7AR	**Date Sampled:**	08/20/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	82.9
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.26	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-8		
Lab Sample ID:	JD50441-8AR	**Date Sampled:**	08/21/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	85.3
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.48	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	0.0070	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	1.6	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-9		
Lab Sample ID:	JD50441-9AR	**Date Sampled:**	08/21/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	83.4
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.21	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID: WC-201
Lab Sample ID: JD50441-10AR
Matrix: SO - Soil
Project: 329 Clarkson Ave, Brooklyn, NY

Date Sampled: 08/21/22
Date Received: 08/22/22
Percent Solids: 78.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.44	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	0.0046	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	0.45	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SO
SLL

SGS CHAIN OF CUSTODY

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

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

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: 75-691822-16
SGS Quote #:
SGS Job #: JD50441

Client / Reporting Information

Company Name: Equity Environmental Engineering
Street Address: 500 International Dr. Suite 150
City: Mt. Olive State: NJ Zip: 07828
Project Contact: Bob Jackson E-mail: BobJackson@EquityEnvironmental.com
Phone #: 973-527-7451
Sampler(s) Name(s): Kelly Florczak Phone #:

Project Information

Project Name: Camba Clarkson Site L
Street: 329 Clarkson Ave
City: Brooklyn State: NY
Project #:
Client Purchase Order #:
Project Manager: Bob JACKSON

Billing Information (If different from Report to)

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

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCL VOC	TCL SVOC	PCB	TAL Metals	TCLP + 8 RCRA metals	LAB USE ONLY
1	WC-1		8/20/22	0945	KF	C	N	SO	10					3	2	1		X	X	X	X	X	B17
2	WC-2		8/21/22	1130										3	2	1		X	X	X	X	X	P61
3	WC-3		8/20/22	1030										3	2	1		X	X	X	X	X	encore
4	WC-4			1115										3	2	1		X	X	X	X	X	14I6
5	WC-5			1215										3	2	1		X	X	X	X	X	4023
6	WC-6			1345										3	2	1		X	X	X	X	X	
7	WC-7			1415										3	2	1		X	X	X	X	X	
8	WC-8		8/21/22	0930										3	2	1		X	X	X	X	X	
9	WC-9			1020										3	2	1		X	X	X	X	X	
10	WC-201			1130										3	2	1		X	X	X	X	X	

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

pH Check (Lab Use Only)

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

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

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

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

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

Comments / Special Instructions

Initial Assessment
Label Verification
http://www.sgs.com/en/terms-and-conditions

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

	Relinquished by:	Date / Time:	Received By:
1	Kelly Florczak	8/22/22 1555	1
2			2
3			3
4			4
5			5

Custody Seal # ☐ Intact ☐ Not Intact ☐ Absent

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

4.7 3.3

5.1 5

SGS Sample Receipt Summary

Job Number: JD50441 **Client:** EQUITY ENVIRONMENTAL ENGINEERIN **Project:** 329 CLARKSON AVE,BROOKLYN, NY

Date / Time Received: 8/22/2022 5:15:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.7); Cooler 2: (3.3);

Cooler Temps (Corrected) °C: Cooler 1: (5.3); Cooler 2: (3.9);

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JD50441

Requested Date:	8/23/2022	**Received Date:**	8/22/2022
Account Name:	Equity Environmental Engineering	**Due Date:**	8/23/2022
Project Description:	329 Clarkson Ave, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	THAMILVILI **PM:** TM	**TAT (Days):**	7

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Sample #: JD50441-1A thru -10A

Dept:

TAT: 7

Change:
Cancel TCLPE & TCLPM per client to be on HOLD

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Above Changes Per: Kelly Florczak **Date/Time:** 8/23/2022

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

Job Change Order: JD50441

Requested Date:	9/7/2022	**Received Date:**	8/22/2022
Account Name:	Equity Environmental Engineering	**Due Date:**	9/7/2022
Project Description:	329 Clarkson Ave, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	TAMMYM **PM:** TM	**TAT (Days):**	7

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Sample #: JD50441-1 through 10 **Change:** Relog for TCLPE, TCLPM

Dept:

TAT: 7

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Above Changes Per: Bob Jackson **Date/Time:** 9/7/2022

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Internal Sample Tracking Chronicle

Equity Environmental Engineering

329 Clarkson Ave, Brooklyn, NY

Job No: JD50441R

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD50441-1A	Collected: 20-AUG-22 09:45 By: KF			Received: 22-AUG-22 By: JR		
WC-1						
JD50441-1AR	SW846 7470A	12-SEP-22 16:20	LM	12-SEP-22	LM	EHG
JD50441-1AR	SW846 6010D	13-SEP-22 18:33	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-2A	Collected: 21-AUG-22 11:30 By: KF			Received: 22-AUG-22 By: JR		
WC-2						
JD50441-2AR	SW846 7470A	12-SEP-22 16:22	LM	12-SEP-22	LM	EHG
JD50441-2AR	SW846 6010D	13-SEP-22 18:38	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-3A	Collected: 20-AUG-22 10:30 By: KF			Received: 22-AUG-22 By: JR		
WC-3						
JD50441-3AR	SW846 7470A	12-SEP-22 16:26	LM	12-SEP-22	LM	EHG
JD50441-3AR	SW846 6010D	13-SEP-22 18:43	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-4A	Collected: 20-AUG-22 11:15 By: KF			Received: 22-AUG-22 By: JR		
WC-4						
JD50441-4AR	SW846 7470A	12-SEP-22 16:28	LM	12-SEP-22	LM	EHG
JD50441-4AR	SW846 6010D	13-SEP-22 18:48	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-5A	Collected: 20-AUG-22 12:15 By: KF			Received: 22-AUG-22 By: JR		
WC-5						
JD50441-5AR	SW846 7470A	12-SEP-22 16:29	LM	12-SEP-22	LM	EHG
JD50441-5AR	SW846 6010D	13-SEP-22 18:54	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-6A	Collected: 20-AUG-22 13:45 By: KF			Received: 22-AUG-22 By: JR		
WC-6						
JD50441-6AR	SW846 7470A	12-SEP-22 16:31	LM	12-SEP-22	LM	EHG
JD50441-6AR	SW846 6010D	13-SEP-22 18:59	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-7A	Collected: 20-AUG-22 14:15 By: KF			Received: 22-AUG-22 By: JR		
WC-7						
JD50441-7AR	SW846 7470A	12-SEP-22 16:32	LM	12-SEP-22	LM	EHG

Internal Sample Tracking Chronicle

Equity Environmental Engineering

329 Clarkson Ave, Brooklyn, NY

Job No: JD50441R

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD50441-7AR	SW846 6010D	13-SEP-22 19:04	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-8AR	Collected: 21-AUG-22 09:30 By: KF WC-8		Received: 22-AUG-22 By: JR			
JD50441-8AR	SW846 7470A	12-SEP-22 16:33	LM	12-SEP-22	LM	EHG
JD50441-8AR	SW846 6010D	13-SEP-22 19:09	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-9AR	Collected: 21-AUG-22 10:20 By: KF WC-9		Received: 22-AUG-22 By: JR			
JD50441-9AR	SW846 7470A	12-SEP-22 16:35	LM	12-SEP-22	LM	EHG
JD50441-9AR	SW846 6010D	13-SEP-22 19:15	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-10AR	Collected: 21-AUG-22 11:30 By: KF WC-201		Received: 22-AUG-22 By: JR			
JD50441-10AR	SW846 7470A	12-SEP-22 16:36	LM	12-SEP-22	LM	EHG
JD50441-10AR	SW846 6010D	13-SEP-22 19:30	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-1.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-1.1	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-1.1	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-1.1	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-1.1	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-1.1	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-1.1.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-1.1
JD50441-1.1.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-1.1.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-1.1.1
JD50441-1.1.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-1.1.1
JD50441-1.1.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-1.1.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-1.1.1
JD50441-1.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-1.2	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-1.2	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-1.2	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-1.2	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-1.2	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-1.2	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-1.2	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-1.2	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-1.2	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-1.2	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-1.2	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-1.2	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-1.2	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-1.2	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-1.2	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-1.2	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-1.2	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-1.2.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-1.2
JD50441-1.2.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-1.2
JD50441-1.2.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-1.2.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-1.2.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-1.2.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-1.2.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-1.2.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-1.2
JD50441-1.2.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-1.2
JD50441-1.2.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-1.2.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-1.2
JD50441-1.2.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-1.2
JD50441-1.2.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-1.2.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-1.2.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-1.2.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-1.2
JD50441-1.2.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-1.2
JD50441-1.2.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-1.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-1.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-1.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-1.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-1.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-1.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-1.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-1.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-1.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-1.6	William Murawski		08/30/22 10:57	Depleted
JD50441-1.7	Secured Storage	William Murawski	08/30/22 10:57	Retrieve from Storage
JD50441-1.7	William Murawski	GCMSI	08/30/22 10:57	Load on Instrument
JD50441-1.7	GCMSI	William Murawski	08/31/22 10:06	Unload from Instrument
JD50441-1.7	William Murawski		08/31/22 10:07	Depleted
JD50441-2.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-2.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-2.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-2.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-2.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-2.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-2.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-2.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-2.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-2.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-2.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-2.1	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-2.1	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-2.1	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-2.1	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-2.1	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-2.1	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-2.1	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-2.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-2.1
JD50441-2.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-2.1
JD50441-2.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-2.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-2.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-2.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-2.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-2.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-2.1
JD50441-2.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-2.1
JD50441-2.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-2.1.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-2.1
JD50441-2.1.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-2.1
JD50441-2.1.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-2.1.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-2.1.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-2.1.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-2.1
JD50441-2.1.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-2.1
JD50441-2.1.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-2.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-2.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-2.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-2.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-2.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-2.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-2.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-2.2
JD50441-2.2.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-2.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-2.2.1
JD50441-2.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-2.2.1

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-2.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-2.2.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-2.2.1
JD50441-2.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-2.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-2.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-2.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-2.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-2.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-2.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-2.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-2.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-2.6	William Murawski		08/30/22 10:57	Depleted
JD50441-2.7	Secured Storage	William Murawski	08/30/22 10:57	Retrieve from Storage
JD50441-2.7	William Murawski	GCMSI	08/30/22 10:57	Load on Instrument
JD50441-2.7	GCMSI	William Murawski	08/31/22 10:06	Unload from Instrument
JD50441-2.7	William Murawski		08/31/22 10:07	Depleted
JD50441-3.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-3.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-3.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-3.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-3.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-3.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-3.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-3.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-3.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-3.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-3.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-3.1	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-3.1	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-3.1	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-3.1	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-3.1	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-3.1	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-3.1	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-3.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-3.1

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-3.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-3.1
JD50441-3.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-3.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-3.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-3.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-3.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-3.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-3.1
JD50441-3.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-3.1
JD50441-3.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-3.1.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-3.1
JD50441-3.1.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-3.1
JD50441-3.1.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-3.1.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-3.1.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-3.1.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-3.1
JD50441-3.1.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-3.1
JD50441-3.1.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-3.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-3.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-3.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-3.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-3.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-3.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-3.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-3.2
JD50441-3.2.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-3.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-3.2.1
JD50441-3.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-3.2.1
JD50441-3.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-3.2.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-3.2.1
JD50441-3.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-3.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-3.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-3.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-3.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-3.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-3.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-3.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-3.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-3.6	William Murawski		08/30/22 10:57	Depleted
JD50441-4.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-4.1	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-4.1	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-4.1	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-4.1	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-4.1	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-4.1.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-4.1
JD50441-4.1.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-4.1.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-4.1.1
JD50441-4.1.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-4.1.1
JD50441-4.1.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-4.1.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-4.1.1
JD50441-4.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-4.2	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-4.2	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-4.2	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-4.2	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-4.2	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-4.2	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-4.2	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-4.2	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-4.2	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-4.2	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-4.2	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-4.2	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-4.2	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-4.2	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-4.2	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-4.2	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-4.2	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-4.2.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-4.2

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-4.2.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-4.2
JD50441-4.2.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-4.2.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-4.2.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-4.2.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-4.2.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-4.2.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-4.2
JD50441-4.2.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-4.2
JD50441-4.2.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-4.2.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-4.2
JD50441-4.2.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-4.2
JD50441-4.2.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-4.2.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-4.2.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-4.2.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-4.2
JD50441-4.2.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-4.2
JD50441-4.2.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-4.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-4.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-4.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-4.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-4.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-4.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-4.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-4.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-4.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-4.6	William Murawski		08/30/22 10:57	Depleted
JD50441-5.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-5.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-5.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-5.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-5.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-5.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-5.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-5.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-5.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-5.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-5.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-5.1	Christian King	Secured Staging Area	08/31/22 20:19	Return to Storage
stage				
JD50441-5.1	Secured Staging Area	Ellen Dondeo	09/01/22 07:12	Retrieve from Storage
JD50441-5.1	Ellen Dondeo	Secured Storage	09/01/22 16:46	Return to Storage
JD50441-5.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-5.1
JD50441-5.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-5.1
JD50441-5.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-5.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-5.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-5.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-5.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-5.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-5.1
JD50441-5.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-5.1
JD50441-5.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-5.1.3	Ellen Dondeo	Organics Prep	09/01/22 07:21	Extract from JD50441-5.1
JD50441-5.1.3	Organics Prep	Erin Burke	09/01/22 18:55	Extract from JD50441-5.1
JD50441-5.1.3	Erin Burke	Extract Storage	09/01/22 18:55	Return to Storage
JD50441-5.1.3	Extract Storage	Christopher Sowa	09/02/22 23:32	Retrieve from Storage
JD50441-5.1.3	Christopher Sowa	GCMS2P	09/02/22 23:32	Load on Instrument
JD50441-5.1.3	GCMS2P	Kristi Schollenberger	09/03/22 14:59	Unload from Instrument
JD50441-5.1.3	Kristi Schollenberger	Extract Freezer	09/03/22 14:59	Return to Storage
JD50441-5.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-5.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-5.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-5.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-5.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-5.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-5.2	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-5.2	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-5.2	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-5.2	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-5.2	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-5.2	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-5.2	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-5.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-5.2
JD50441-5.2.1	Sarah Fichot		09/06/22 16:06	Depleted

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-5.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-5.2.1
JD50441-5.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-5.2.1
JD50441-5.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-5.2.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-5.2
JD50441-5.2.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-5.2
JD50441-5.2.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-5.2.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-5.2.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-5.2.4	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-5.2.1
JD50441-5.2.5	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-5.2
JD50441-5.2.5	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-5.2
JD50441-5.2.5	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-5.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-5.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-5.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-5.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-5.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-5.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-5.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-5.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-5.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-5.6	William Murawski		08/30/22 10:57	Depleted
JD50441-6.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-6.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-6.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-6.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-6.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-6.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-6.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-6.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-6.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-6.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-6.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-6.1	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-6.1	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-6.1	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-6.1	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-6.1	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-6.1	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-6.1	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-6.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-6.1
JD50441-6.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-6.1
JD50441-6.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-6.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-6.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-6.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-6.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-6.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-6.1
JD50441-6.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-6.1
JD50441-6.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-6.1.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-6.1
JD50441-6.1.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-6.1
JD50441-6.1.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-6.1.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-6.1.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-6.1.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-6.1
JD50441-6.1.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-6.1
JD50441-6.1.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-6.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-6.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-6.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-6.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-6.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-6.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-6.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-6.2
JD50441-6.2.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-6.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-6.2.1
JD50441-6.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-6.2.1
JD50441-6.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-6.2.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-6.2.1

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-6.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-6.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-6.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-6.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-6.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-6.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-6.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-6.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-6.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-6.6	William Murawski		08/30/22 10:57	Depleted
JD50441-7.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-7.1	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-7.1	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-7.1	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-7.1	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-7.1	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-7.1.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-7.1
JD50441-7.1.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-7.1.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-7.1.1
JD50441-7.1.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-7.1.1
JD50441-7.1.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-7.1.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-7.1.1
JD50441-7.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-7.2	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-7.2	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-7.2	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-7.2	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-7.2	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-7.2	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-7.2	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-7.2	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-7.2	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-7.2	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-7.2	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-7.2	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-7.2	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-7.2	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-7.2	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-7.2	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-7.2	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-7.2.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-7.2
JD50441-7.2.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-7.2
JD50441-7.2.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-7.2.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-7.2.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-7.2.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-7.2.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-7.2.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-7.2
JD50441-7.2.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-7.2
JD50441-7.2.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-7.2.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-7.2
JD50441-7.2.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-7.2
JD50441-7.2.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-7.2.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-7.2.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-7.2.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-7.2
JD50441-7.2.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-7.2
JD50441-7.2.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-7.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-7.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-7.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-7.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-7.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-7.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-7.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-7.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-7.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-7.6	William Murawski		08/30/22 10:57	Depleted
JD50441-8.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-8.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
stage				
JD50441-8.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-8.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-8.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-8.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-8.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-8.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-8.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-8.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-8.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-8.1	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-8.1	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-8.1	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-8.1	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-8.1	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-8.1	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-8.1	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-8.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-8.1
JD50441-8.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-8.1
JD50441-8.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-8.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-8.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-8.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-8.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-8.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-8.1
JD50441-8.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-8.1
JD50441-8.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-8.1.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-8.1
JD50441-8.1.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-8.1
JD50441-8.1.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-8.1.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-8.1.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-8.1.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-8.1
JD50441-8.1.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-8.1
JD50441-8.1.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-8.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-8.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-8.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-8.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-8.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-8.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-8.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-8.2
JD50441-8.2.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-8.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-8.2.1
JD50441-8.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-8.2.1
JD50441-8.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-8.2.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-8.2.1
JD50441-8.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-8.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-8.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-8.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-8.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-8.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-8.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-8.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-8.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-8.6	William Murawski		08/30/22 10:57	Depleted
JD50441-9.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-9.1	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-9.1	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-9.1	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-9.1	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-9.1	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-9.1.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-9.1
JD50441-9.1.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-9.1.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-9.1.1
JD50441-9.1.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-9.1.1
JD50441-9.1.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-9.1.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-9.1.1
JD50441-9.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-9.2	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
stage				
JD50441-9.2	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-9.2	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-9.2	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-9.2	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-9.2	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-9.2	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-9.2	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-9.2	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-9.2	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-9.2	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-9.2	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-9.2	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-9.2	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-9.2	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-9.2	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-9.2	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-9.2.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-9.2
JD50441-9.2.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-9.2
JD50441-9.2.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-9.2.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-9.2.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-9.2.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-9.2.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-9.2.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-9.2
JD50441-9.2.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-9.2
JD50441-9.2.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-9.2.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-9.2
JD50441-9.2.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-9.2
JD50441-9.2.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-9.2.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-9.2.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-9.2.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-9.2
JD50441-9.2.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-9.2
JD50441-9.2.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-9.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-9.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-9.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-9.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-9.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-9.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-9.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-9.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-9.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-9.6	William Murawski		08/30/22 10:57	Depleted
JD50441-10.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-10.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-10.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-10.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-10.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-10.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-10.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-10.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-10.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-10.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-10.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-10.1	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-10.1	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-10.1	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-10.1	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-10.1	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-10.1	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-10.1	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-10.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-10.1
JD50441-10.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-10.1
JD50441-10.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-10.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-10.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-10.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-10.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-10.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-10.1
JD50441-10.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-10.1
JD50441-10.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-10.1.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-10.1

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-10.1.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-10.1
JD50441-10.1.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-10.1.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-10.1.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-10.1.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-10.1
JD50441-10.1.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-10.1
JD50441-10.1.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-10.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-10.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-10.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-10.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-10.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-10.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-10.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:38	Aliquot from JD50441-10.2
JD50441-10.2.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-10.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-10.2.1
JD50441-10.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-10.2.1
JD50441-10.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-10.2.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-10.2.1
JD50441-10.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-10.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-10.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-10.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-10.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-10.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-10.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-10.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-10.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-10.6	William Murawski		08/30/22 10:57	Depleted

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:27	MA52966-STD1	1		b=1.7345e-004,c=1.4400e-001,rho=0.9975765
13:28	MA52966-STD2	1		STDB
13:30	MA52966-STD3	1		STDC
13:31	MA52966-STD4	1		STDD
13:33	MA52966-STD5	1		STDE
13:34	MA52966-STD6	1		STDF
13:41	MA52966-STD7	1		STDE
13:42	MA52966-STD8	1		STDF
13:46	MA52966-STD9	1		STDB
13:49	ZZZZZZ	1		
13:51	MA52966-ICV1	1		
13:52	ZZZZZZ	1		
13:56	MA52966-ICB1	1		
13:59	ZZZZZZ	1		
14:01	MA52966-CCV1	1		
14:04	MA52966-CCB1	1		
14:06	MA52966-CRI1	1		
14:07	ZZZZZZ	1		
14:09	MP35065-B1	1		
14:10	MP35065-S1	1		
14:12	MP35065-S2	1		
14:13	JD51170-1	1		(sample used for QC only; not part of login JD50441R)
14:15	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:18	MA52966-CCV2	1		
14:19	MA52966-CCB2	1		
14:21	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:29	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:31	ZZZZZZ	1		
14:32	MA52966-CCV3	1		
14:34	MA52966-CCB3	1		
14:35	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:47	MA52966-CCV4	1		
14:48	MA52966-CCB4	1		
15:33	MP35069-MB1	1		
15:35	MP35069-B1	1		
15:36	MP35069-S1	1		
15:38	MP35069-S2	1		
15:39	JD51273-2	1		(sample used for QC only; not part of login JD50441R)
15:41	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:44	MA52966-CCV5	1		
15:46	MA52966-CCB5	1		
15:47	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:56	MA52966-CCV6	1		
15:57	MA52966-CCB6	1		
15:59	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:02	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:04	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:08	MA52966-CCV7	1		
16:09	MA52966-CCB7	1		
16:11	MP35070-MB1	1		
16:12	MP35070-B1	1		
16:14	MP35070-S1	1		
16:15	MP35070-S2	1		
16:17	JD51273-1A	1		(sample used for QC only; not part of login JD50441R)
16:19	ZZZZZZ	1		
16:20	JD50441-1AR	1		
16:22	JD50441-2AR	1		
16:23	MA52966-CCV8	1		
16:25	MA52966-CCB8	1		
16:26	JD50441-3AR	1		
16:28	JD50441-4AR	1		
16:29	JD50441-5AR	1		
16:31	JD50441-6AR	1		
16:32	JD50441-7AR	1		
16:33	JD50441-8AR	1		
16:35	JD50441-9AR	1		
16:36	JD50441-10AR	1		
---------->	Last reportable sample/prep for job JD50441R			
16:38	MA52966-CCV9	1		
16:39	MA52966-CCB9	1		
---------->	Last reportable CCB for job JD50441R			
16:44	MP35065-MB1	1		
16:50	MA52966-CCV10	1		
16:52	MA52966-CCB10	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
13:49	ZZZZZZ	1		
13:51	MA52966-ICV1	1	X	
13:52	ZZZZZZ	1		
13:56	MA52966-ICB1	1	X	
13:59	ZZZZZZ	1		
14:01	MA52966-CCV1	1	X	
14:04	MA52966-CCB1	1	X	
14:06	MA52966-CRI1	1	X	
14:07	ZZZZZZ	1		
14:09	MP35065-B1	1	X	
14:10	MP35065-S1	1	X	
14:12	MP35065-S2	1	X	
14:13	JD51170-1	1	X	(a)
14:15	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:18	MA52966-CCV2	1	X	
14:19	MA52966-CCB2	1	X	
14:21	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:29	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:32	MA52966-CCV3	1	X	
14:34	MA52966-CCB3	1	X	
14:35	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:43	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
14:44	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:47	MA52966-CCV4	1	X	
14:48	MA52966-CCB4	1	X	
15:33	MP35069-MB1	1	X	
15:35	MP35069-B1	1	X	
15:36	MP35069-S1	1	X	
15:38	MP35069-S2	1	X	
15:39	JD51273-2	1	X	(a)
15:41	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:44	MA52966-CCV5	1	X	
15:46	MA52966-CCB5	1	X	
15:47	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:56	MA52966-CCV6	1	X	
15:57	MA52966-CCB6	1	X	
15:59	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:08	MA52966-CCV7	1	X	
16:09	MA52966-CCB7	1	X	
16:11	MP35070-MB1	1	X	
16:12	MP35070-B1	1	X	
16:14	MP35070-S1	1	X	
16:15	MP35070-S2	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg
16:17	JD51273-1A	1	X (a)
16:19	ZZZZZZ	1	
16:20	JD50441-1AR	1	X
16:22	JD50441-2AR	1	X
16:23	MA52966-CCV8	1	X
16:25	MA52966-CCB8	1	X
16:26	JD50441-3AR	1	X
16:28	JD50441-4AR	1	X
16:29	JD50441-5AR	1	X
16:31	JD50441-6AR	1	X
16:32	JD50441-7AR	1	X
16:33	JD50441-8AR	1	X
16:35	JD50441-9AR	1	X
16:36	JD50441-10AR	1	X
16:38	MA52966-CCV9	1	X
16:39	MA52966-CCB9	1	X
16:44	MP35065-MB1	1	X
16:50	MA52966-CCV10	1	X
16:52	MA52966-CCB10	1	X

(a) Sample used for QC only; not part of login JD50441R.

Element: Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA52966 Units: ug/l

Time:			13:56		14:04		14:19		14:34	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	0.0313	<0.20	-0.0329	<0.20	-0.130	<0.20	-0.112	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA52966 Units: ug/l

Time:			14:48		15:46		15:57		16:09	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.102	<0.20	-0.113	<0.20	-0.119	<0.20	-0.133	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA52966 Units: ug/l

Time:			16:25		16:39	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Mercury	0.20	.024	-0.110	<0.20	-0.149	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA52966 Units: ug/l

Time:		13:51			14:01			14:18	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.20	106.7	2.5	2.72	108.8	2.5	2.52	100.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA52966 Units: ug/l

Time:		14:32			14:47			15:44	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.57	102.8	2.5	2.54	101.6	2.5	2.41	96.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA52966 Units: ug/l

Time:		15:56			16:08			16:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.48	99.2	2.5	2.44	97.6	2.5	2.52	100.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA52966 Units: ug/l

Time:		16:38	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Mercury	2.5	2.46	98.4

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA52966 Units: ug/l

Time:			14:06	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.144	72.0

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:05	MA52983-STD1	1		STDA
10:11	MA52983-STD2	1		STDB
10:16	MA52983-ICV1	1		
10:24	MA52983-ICB1	1		
10:36	MA52983-ICB2	1		
10:40	MA52983-ICCV1	1		
10:57	MA52983-CCB1	1		
11:06	MA52983-CRI1	1		
11:11	MA52983-CRID1	1		
11:17	MA52983-ICSA1	1		
11:22	MA52983-ICSAB1	1		
11:27	MA52983-HSTD1	1		
11:32	MA52983-HSTD2	1		
11:37	ZZZZZZ	1		
11:42	ZZZZZZ	1		
11:47	MA52983-CCV1	1		
11:52	MA52983-CCB2	1		
11:57	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:10	MA52983-CRID2	1		
12:15	MP35013-MB1	1		
12:20	ZZZZZZ	1		
12:26	MP35013-B1	1		
12:30	MP35013-S1	1		
12:35	MP35013-S2	1		
12:40	JD51249-3	1		(sample used for QC only; not part of login JD50441R)
12:45	MP35013-SD1	5		
12:50	MA52983-CCV2	1		
12:55	MA52983-CCB3	1		
13:00	ZZZZZZ	1		
13:05	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:20	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:41	MP35039-PS1	1		
13:46	MA52983-CCV3	1		
13:50	MA52983-CCB4	1		
13:56	MA52983-CRID3	1		
14:01	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:18	ZZZZZZ	5		
14:23	ZZZZZZ	5		
14:28	MP35045-MB1	1		
14:33	MA52983-CRI2	1		
14:38	MA52983-ICSA2	1		
14:43	MA52983-ICSAB2	1		
14:48	MA52983-CCV4	1		
14:53	MA52983-CCB5	1		
14:58	ZZZZZZ	1		
15:03	ZZZZZZ	10		
15:08	ZZZZZZ	10		
15:14	MP35044-SD1	5		
15:19	ZZZZZZ	2		
15:24	ZZZZZZ	10		
15:29	ZZZZZZ	1		
15:34	ZZZZZZ	5		
15:39	ZZZZZZ	5		
15:45	MA52983-CCV5	1		
15:49	MA52983-CCB6	1		
15:55	ZZZZZZ	5		
16:00	ZZZZZZ	5		
16:05	ZZZZZZ	1		
16:10	ZZZZZZ	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:15	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:36	ZZZZZZ	1		
16:41	MA52983-CCV6	1		
16:46	MA52983-CCB7	1		
16:51	MP35114-MB1	1		
16:56	MP35114-B1	1		
17:01	MP35114-S1	1		
17:07	MP35114-S2	1		
17:12	JD51592-1	1		(sample used for QC only; not part of login JD50441R)
17:17	MP35114-SD1	5		
17:22	ZZZZZZ	1		
17:27	MA52983-CCV7	1		
17:32	MA52983-CCB8	1		
17:37	MP35088-MB1	1		
17:42	MP35088-LB1	1		
17:47	MP35088-B1	1		
17:52	MP35088-LS1	1		
17:57	MP35088-S1	1		
18:02	MP35088-S2	1		
18:07	JD51273-1A	1		(sample used for QC only; not part of login JD50441R)
18:12	MP35088-SD1	5		
18:17	ZZZZZZ	1		
18:23	MA52983-CCV8	1		
18:28	MA52983-CCB9	1		
18:33	JD50441-1AR	1		
18:38	JD50441-2AR	1		
18:43	JD50441-3AR	1		
18:48	JD50441-4AR	1		
18:54	JD50441-5AR	1		
18:59	JD50441-6AR	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:04	JD50441-7AR	1		
19:09	JD50441-8AR	1		
19:15	JD50441-9AR	1		
19:20	MA52983-CCV9	1		
19:25	MA52983-CCB10	1		
19:30	JD50441-10AR	1		
---------->	Last reportable sample/prep for job JD50441R			
19:35	ZZZZZZ	1		
19:40	MP35087-B1	1		
19:45	MP35087-MB1	1		
19:50	MP35087-LB1	1		
19:56	MP35087-LS1	1		
20:00	MP35087-S1	1		
20:05	MP35087-S2	1		
20:10	JD49050-1U	1		(sample used for QC only; not part of login JD50441R)
20:15	MP35087-SD1	5		
20:20	MA52983-CCV10	1		
20:25	MA52983-CCB11	1		
---------->	Last reportable CCB for job JD50441R			
20:30	ZZZZZZ	1		
20:35	ZZZZZZ	1		
20:40	ZZZZZZ	1		
20:45	ZZZZZZ	1		
20:51	MP35062-B1	1		
20:55	MP35062-MB1	1		
21:01	MP35062-S1	1		
21:05	MP35062-S2	1		
21:10	JD51365-3	1		(sample used for QC only; not part of login JD50441R)
21:15	MP35062-SD1	5		
21:21	MA52983-CCV11	1		
21:25	MA52983-CCB12	1		
21:31	ZZZZZZ	1		
21:36	ZZZZZZ	1		
21:41	ZZZZZZ	1		
21:46	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:51	ZZZZZZ	1		
21:56	ZZZZZZ	1		
22:01	ZZZZZZ	1		
22:06	ZZZZZZ	1		
22:12	ZZZZZZ	1		
22:17	MA52983-CCV12	1		
22:22	MA52983-CCB13	1		
22:27	ZZZZZZ	1		
22:32	ZZZZZZ	1		
22:37	ZZZZZZ	1		
22:42	ZZZZZZ	1		
22:47	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:57	MA52983-CCV13	1		
23:02	MA52983-CCB14	1		
23:07	MP35094-MB1	1		
23:13	MP35094-B1	1		
23:17	MP35094-S1	1		
23:22	MP35094-S2	1		
23:27	JD51420-2	1		(sample used for QC only; not part of login JD50441R)
23:32	MP35094-SD1	5		
23:37	ZZZZZZ	1		
23:42	ZZZZZZ	1		
23:47	ZZZZZZ	1		
23:53	ZZZZZZ	1		
23:58	MA52983-CCV14	1		
00:03	MA52983-CCB15	1		
00:08	ZZZZZZ	1		
00:13	ZZZZZZ	1		
00:18	ZZZZZZ	1		
00:23	ZZZZZZ	1		
00:28	ZZZZZZ	1		
00:33	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:39	ZZZZZZ	1		
00:44	ZZZZZZ	1		
00:49	ZZZZZZ	1		
00:54	ZZZZZZ	1		
00:59	MA52983-CCV15	1		
01:04	MA52983-CCB16	1		
01:09	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:20	ZZZZZZ	1		
01:25	ZZZZZZ	1		
01:30	ZZZZZZ	1		
01:35	MP35116-MB1	1		
01:40	MP35116-LB1	1		
01:45	MP35116-B1	1		
01:50	MP35116-LS1	1		
01:55	MP35116-S1	1		
02:00	MA52983-CCV16	1		
02:05	MA52983-CCB17	1		
02:10	MP35116-S2	1		
02:15	JD50563-13R	1		(sample used for QC only; not part of login JD50441R)
02:20	MP35116-SD1	5		
02:25	ZZZZZZ	1		
02:30	ZZZZZZ	1		
02:35	ZZZZZZ	1		
02:40	ZZZZZZ	1		
02:45	ZZZZZZ	1		
02:50	ZZZZZZ	1		
02:56	ZZZZZZ	1		
03:01	MA52983-CCV17	1		
03:06	MA52983-CCB18	1		
03:11	MP35012-MB3	1		
03:16	MP35012-B3	1		
03:21	MP35012-S1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:26	MP35012-S2	1		
03:30	JD51246-1	1		(sample used for QC only; not part of login JD50441R)
03:35	MP35012-SD1	5		
03:41	ZZZZZZ	1		
03:46	ZZZZZZ	1		
03:51	ZZZZZZ	1		
03:56	MA52983-CCV18	1		
04:01	MA52983-CCB19	1		
04:06	ZZZZZZ	1		
04:11	ZZZZZZ	1		
04:16	ZZZZZZ	1		
04:21	ZZZZZZ	1		
04:27	ZZZZZZ	1		
04:32	ZZZZZZ	1		
04:37	MA52983-CCV19	1		
04:42	MA52983-CCB20	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Element: Dilution	As	Ba	Cd	Cr	Pb	Se	Ag	
10:16	MA52983-ICV1	1	X	X	X	X	X	X	X	
10:24	MA52983-ICB1	1								
10:36	MA52983-ICB2	1	X	X	X	X	X	X	X	
10:40	MA52983-ICCV1	1	X	X	X	X	X	X	X	
10:57	MA52983-CCB1	1	X	X	X	X	X	X	X	
11:06	MA52983-CRI1	1	X	X	X	X	X	X	X	
11:11	MA52983-CRID1	1								
11:17	MA52983-ICSA1	1	X	X	X	X	X	X	X	
11:22	MA52983-ICSAB1	1	X	X	X	X	X	X	X	
11:27	MA52983-HSTD1	1	X	X	X	X	X	X	X	
11:32	MA52983-HSTD2	1	X	X	X	X	X	X	X	
11:37	ZZZZZZ	1								
11:42	ZZZZZZ	1								
11:47	MA52983-CCV1	1	X	X	X	X	X	X	X	
11:52	MA52983-CCB2	1	X	X	X	X	X	X	X	
11:57	ZZZZZZ	1								
12:02	ZZZZZZ	1								
12:10	MA52983-CRID2	1	X	X	X	X	X	X	X	
12:15	MP35013-MB1	1	X		X	X	X	X	X	
12:20	ZZZZZZ	1								
12:26	MP35013-B1	1	X		X	X	X	X	X	
12:30	MP35013-S1	1	X		X	X	X	X	X	
12:35	MP35013-S2	1	X		X	X	X	X	X	
12:40	JD51249-3	1				X	X			(a)
12:45	MP35013-SD1	5	X		X	X	X	X	X	
12:50	MA52983-CCV2	1	X	X	X	X	X	X	X	
12:55	MA52983-CCB3	1	X	X	X	X	X	X	X	
13:00	ZZZZZZ	1								
13:05	ZZZZZZ	1								
13:10	ZZZZZZ	1								
13:15	ZZZZZZ	1								
13:20	ZZZZZZ	1								
13:25	ZZZZZZ	1								
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag	

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Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution	Element: As	Ba	Cd	Cr	Pb	Se	Ag
13:30	ZZZZZZ	1							
13:36	ZZZZZZ	1							
13:41	MP35039-PS1	1		X	X	X	X	X	X
13:46	MA52983-CCV3	1	X	X	X	X	X	X	X
13:50	MA52983-CCB4	1	X	X	X	X	X	X	X
13:56	MA52983-CRID3	1	X	X	X	X	X	X	X
14:01	ZZZZZZ	1							
14:12	ZZZZZZ	1							
14:18	ZZZZZZ	5							
14:23	ZZZZZZ	5							
14:28	MP35045-MB1	1					X		
14:33	MA52983-CRI2	1	X	X	X	X	X	X	X
14:38	MA52983-ICSA2	1	X	X	X	X	X	X	X
14:43	MA52983-ICSAB2	1	X	X	X	X	X	X	X
14:48	MA52983-CCV4	1	X	X	X	X	X	X	X
14:53	MA52983-CCB5	1	X	X	X	X	X	X	X
14:58	ZZZZZZ	1							
15:03	ZZZZZZ	10							
15:08	ZZZZZZ	10							
15:14	MP35044-SD1	5							
15:19	ZZZZZZ	2							
15:24	ZZZZZZ	10							
15:29	ZZZZZZ	1							
15:34	ZZZZZZ	5							
15:39	ZZZZZZ	5							
15:45	MA52983-CCV5	1	X	X	X	X	X	X	X
15:49	MA52983-CCB6	1	X	X	X	X	X	X	X
15:55	ZZZZZZ	5							
16:00	ZZZZZZ	5							
16:05	ZZZZZZ	1							
16:10	ZZZZZZ	5							
16:15	ZZZZZZ	1							
16:20	ZZZZZZ	1							
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag

REPORTED ELEMENTS SUMMARY

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Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution	Element: As	Ba	Cd	Cr	Pb	Se	Ag	
16:26	ZZZZZZ	1								
16:31	ZZZZZZ	1								
16:36	ZZZZZZ	1								
16:41	MA52983-CCV6	1	X	X	X	X	X	X	X	
16:46	MA52983-CCB7	1	X	X	X	X	X	X	X	
16:51	MP35114-MB1	1								
16:56	MP35114-B1	1								
17:01	MP35114-S1	1								
17:07	MP35114-S2	1								
17:12	JD51592-1	1								(a)
17:17	MP35114-SD1	5								
17:22	ZZZZZZ	1								
17:27	MA52983-CCV7	1	X	X	X	X	X	X	X	
17:32	MA52983-CCB8	1	X	X	X	X	X	X	X	
17:37	MP35088-MB1	1	X	X	X	X	X	X	X	
17:42	MP35088-LB1	1								
17:47	MP35088-B1	1	X	X	X	X	X	X	X	
17:52	MP35088-LS1	1	X	X	X	X	X	X	X	
17:57	MP35088-S1	1	X	X	X	X	X	X	X	
18:02	MP35088-S2	1	X	X	X	X	X	X	X	
18:07	JD51273-1A	1	X	X	X	X	X	X	X	(a)
18:12	MP35088-SD1	5	X	X	X	X	X	X	X	
18:17	ZZZZZZ	1								
18:23	MA52983-CCV8	1	X	X	X	X	X	X	X	
18:28	MA52983-CCB9	1	X	X	X	X	X	X	X	
18:33	JD50441-1AR	1	X	X	X	X	X	X	X	
18:38	JD50441-2AR	1	X	X	X	X	X	X	X	
18:43	JD50441-3AR	1	X	X	X	X	X	X	X	
18:48	JD50441-4AR	1	X	X	X	X	X	X	X	
18:54	JD50441-5AR	1	X	X	X	X	X	X	X	
18:59	JD50441-6AR	1	X	X	X	X	X	X	X	
19:04	JD50441-7AR	1	X	X	X	X	X	X	X	
19:09	JD50441-8AR	1	X	X	X	X	X	X	X	
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag	

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File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Element: Dilution	As	Ba	Cd	Cr	Pb	Se	Ag	
19:15	JD50441-9AR	1	X	X	X	X	X	X	X	
19:20	MA52983-CCV9	1	X	X	X	X	X	X	X	
19:25	MA52983-CCB10	1	X	X	X	X	X	X	X	
19:30	JD50441-10AR	1	X	X	X	X	X	X	X	
19:35	ZZZZZZ	1								
19:40	MP35087-B1	1					X		X	
19:45	MP35087-MB1	1					X		X	
19:50	MP35087-LB1	1								
19:56	MP35087-LS1	1					X		X	
20:00	MP35087-S1	1					X		X	
20:05	MP35087-S2	1					X		X	
20:10	JD49050-1U	1							X	(a)
20:15	MP35087-SD1	5					X		X	
20:20	MA52983-CCV10	1	X	X	X	X	X	X	X	
20:25	MA52983-CCB11	1	X	X	X	X	X	X	X	
20:30	ZZZZZZ	1								
20:35	ZZZZZZ	1								
20:40	ZZZZZZ	1								
20:45	ZZZZZZ	1								
20:51	MP35062-B1	1		X	X	X	X	X	X	
20:55	MP35062-MB1	1		X	X	X	X	X	X	
21:01	MP35062-S1	1		X	X	X	X	X	X	
21:05	MP35062-S2	1		X	X	X	X	X	X	
21:10	JD51365-3	1				X				(a)
21:15	MP35062-SD1	5		X	X	X	X	X	X	
21:21	MA52983-CCV11	1	X	X	X	X	X	X	X	
21:25	MA52983-CCB12	1	X	X	X	X	X	X	X	
21:31	ZZZZZZ	1								
21:36	ZZZZZZ	1								
21:41	ZZZZZZ	1								
21:46	ZZZZZZ	1								
21:51	ZZZZZZ	1								
21:56	ZZZZZZ	1								
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag	

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Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Element: Dilution	As	Ba	Cd	Cr	Pb	Se	Ag	
22:01	ZZZZZZ	1								
22:06	ZZZZZZ	1								
22:12	ZZZZZZ	1								
22:17	MA52983-CCV12	1	X	X	X	X	X	X	X	
22:22	MA52983-CCB13	1	X	X	X	X	X	X	X	
22:27	ZZZZZZ	1								
22:32	ZZZZZZ	1								
22:37	ZZZZZZ	1								
22:42	ZZZZZZ	1								
22:47	ZZZZZZ	1								
22:52	ZZZZZZ	1								
22:57	MA52983-CCV13	1	X	X	X	X	X	X	X	
23:02	MA52983-CCB14	1	X	X	X	X	X	X	X	
23:07	MP35094-MB1	1	X		X		X			
23:13	MP35094-B1	1	X		X		X			
23:17	MP35094-S1	1	X		X		X			
23:22	MP35094-S2	1	X		X		X			
23:27	JD51420-2	1	X		X		X			(a)
23:32	MP35094-SD1	5	X		X		X			
23:37	ZZZZZZ	1								
23:42	ZZZZZZ	1								
23:47	ZZZZZZ	1								
23:53	ZZZZZZ	1								
23:58	MA52983-CCV14	1	X	X	X	X	X	X	X	
00:03	MA52983-CCB15	1	X	X	X	X	X	X	X	
00:08	ZZZZZZ	1								
00:13	ZZZZZZ	1								
00:18	ZZZZZZ	1								
00:23	ZZZZZZ	1								
00:28	ZZZZZZ	1								
00:33	ZZZZZZ	1								
00:39	ZZZZZZ	1								
00:44	ZZZZZZ	1								
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag	

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Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Element: Dilution	As	Ba	Cd	Cr	Pb	Se	Ag	
00:49	ZZZZZZ	1								
00:54	ZZZZZZ	1								
00:59	MA52983-CCV15	1	X	X	X	X	X	X	X	
01:04	MA52983-CCB16	1	X	X	X	X	X	X	X	
01:09	ZZZZZZ	1								
01:14	ZZZZZZ	1								
01:20	ZZZZZZ	1								
01:25	ZZZZZZ	1								
01:30	ZZZZZZ	1								
01:35	MP35116-MB1	1	X		X		X			
01:40	MP35116-LB1	1								
01:45	MP35116-B1	1	X		X		X			
01:50	MP35116-LS1	1	X		X		X			
01:55	MP35116-S1	1	X		X		X			
02:00	MA52983-CCV16	1	X	X	X	X	X	X	X	
02:05	MA52983-CCB17	1	X	X	X	X	X	X	X	
02:10	MP35116-S2	1	X		X		X			
02:15	JD50563-13R	1			X		X			(a)
02:20	MP35116-SD1	5	X		X		X			
02:25	ZZZZZZ	1								
02:30	ZZZZZZ	1								
02:35	ZZZZZZ	1								
02:40	ZZZZZZ	1								
02:45	ZZZZZZ	1								
02:50	ZZZZZZ	1								
02:56	ZZZZZZ	1								
03:01	MA52983-CCV17	1	X	X	X	X	X	X	X	
03:06	MA52983-CCB18	1	X	X	X	X	X	X	X	
03:11	MP35012-MB3	1	X	X	X	X	X	X	X	
03:16	MP35012-B3	1	X	X	X	X	X	X	X	
03:21	MP35012-S1	1								
03:26	MP35012-S2	1								
03:30	JD51246-1	1								(a)
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag	

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Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Element: Dilution	As	Ba	Cd	Cr	Pb	Se	Ag
03:35	MP35012-SD1	5	X	X	X	X	X	X	X
03:41	ZZZZZZ	1							
03:46	ZZZZZZ	1							
03:51	ZZZZZZ	1							
03:56	MA52983-CCV18	1	X	X	X	X	X	X	X
04:01	MA52983-CCB19	1	X	X	X	X	X	X	X
04:06	ZZZZZZ	1							
04:11	ZZZZZZ	1							
04:16	ZZZZZZ	1							
04:21	ZZZZZZ	1							
04:27	ZZZZZZ	1							
04:32	ZZZZZZ	1							
04:37	MA52983-CCV19	1	X	X	X	X	X	X	X
04:42	MA52983-CCB20	1	X	X	X	X	X	X	X

(a) Sample used for QC only; not part of login JD50441R.

Element:	As	Ba	Cd	Cr	Pb	Se	Ag

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:05	MA52983-STD1	1713 R	60638 R	10462 R	5021 R
10:11	MA52983-STD2	1627	57096	10332	4381
10:16	MA52983-ICV1	1673	58298	10475	4580
10:24	MA52983-ICB1	No results reported for the elements associated with this internal standard.			
10:36	MA52983-ICB2	1716	60411	10491	5018
10:40	MA52983-ICCV1	1680	58545	10504	4595
10:57	MA52983-CCB1	1718	60665	10527	5028
11:06	MA52983-CRI1	1712	60220	10513	4958
11:11	MA52983-CRID1	No results reported for the elements associated with this internal standard.			
11:17	MA52983-ICSA1	1564	54199	10411	4065
11:22	MA52983-ICSAB1	1573	54513	10423	4071
11:27	MA52983-HSTD1	1689	59850	10518	4884
11:32	MA52983-HSTD2	1580	55143	10286	4074
11:37	ZZZZZZ	1707	59678	10760	4725
11:42	ZZZZZZ	1596	57194	10428	4362
11:47	MA52983-CCV1	1689	58373	10480	4595
11:52	MA52983-CCB2	1734	60480	10480	5023
11:57	ZZZZZZ	1759	60986	10675	5139
12:02	ZZZZZZ	1749	60963	10691	5122
12:10	MA52983-CRID2	1725	60166	10514	5001
12:15	MP35013-MB1	1756	60990	10733	5130
12:20	ZZZZZZ	1746	60932	10699	5108
12:26	MP35013-B1	1702	58921	10716	4720
12:30	MP35013-S1	1696	58807	10906	4647
12:35	MP35013-S2	1698	58982	10908	4653
12:40	JD51249-3	1708	60285	10876	4918
12:45	MP35013-SD1	1708	59824	10590	4951
12:50	MA52983-CCV2	1678	58170	10503	4556
12:55	MA52983-CCB3	1729	60246	10597	5008
13:00	ZZZZZZ	1700	59604	10773	4793
13:05	ZZZZZZ	1672	58881	10597	4650
13:10	ZZZZZZ	1693	59882	10902	4784
13:15	ZZZZZZ	1724	60479	10908	4948

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Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:20	ZZZZZZ	1711	60117	10900	4829
13:25	ZZZZZZ	1729	60194	10850	4985
13:30	ZZZZZZ	1664	58933	10709	4645
13:36	ZZZZZZ	1722	60469	10761	5000
13:41	MP35039-PS1	1684	58676	10829	4605
13:46	MA52983-CCV3	1683	58130	10491	4571
13:50	MA52983-CCB4	1732	60433	10574	5028
13:56	MA52983-CRID3	1725	60347	10575	5010
14:01	ZZZZZZ	4842 !	999999 !	10600	12968 !
14:12	ZZZZZZ	1717	60051	10508	4938
14:18	ZZZZZZ	1684	58546	10427	4698
14:23	ZZZZZZ	1695	59048	10516	4745
14:28	MP35045-MB1	1735	59943	10528	5008
14:33	MA52983-CRI2	1716	59810	10444	4917
14:38	MA52983-ICSA2	1575	53774	10250	4065
14:43	MA52983-ICSAB2	1580	53995	10321	4075
14:48	MA52983-CCV4	1690	58129	10453	4577
14:53	MA52983-CCB5	1741	60173	10511	5018
14:58	ZZZZZZ	1750	60741	10751	5065
15:03	ZZZZZZ	1702	58897	10425	4791
15:08	ZZZZZZ	1688	58879	10453	4769
15:14	MP35044-SD1	1701	59099	10536	4807
15:19	ZZZZZZ	1516	53351	10129	3880
15:24	ZZZZZZ	1603	55489	10274	4211
15:29	ZZZZZZ	1742	60918	10767	5037
15:34	ZZZZZZ	1614	55958	10281	4250
15:39	ZZZZZZ	1624	56341	10371	4306
15:45	MA52983-CCV5	1695	58279	10572	4583
15:49	MA52983-CCB6	1741	60440	10593	5041
15:55	ZZZZZZ	1516	52923	10162	3848
16:00	ZZZZZZ	1618	56182	10351	4272
16:05	ZZZZZZ	1744	61093	10728	5046
16:10	ZZZZZZ	1697	59350	10603	4802

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
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Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:15	ZZZZZZ	1716	59565	10683	4867
16:20	ZZZZZZ	1632	57788	10545	4538
16:26	ZZZZZZ	1705	59517	10632	4947
16:31	ZZZZZZ	1720	60282	10540	5005
16:36	ZZZZZZ	1750	60492	10556	5034
16:41	MA52983-CCV6	1700	58291	10500	4588
16:46	MA52983-CCB7	1742	60552	10563	5036
16:51	MP35114-MB1	1745	61210	10754	5057
16:56	MP35114-B1	1737	60769	10731	5018
17:01	MP35114-S1	1692	59318	10649	4752
17:07	MP35114-S2	1694	59380	10648	4745
17:12	JD51592-1	1698	59327	10615	4761
17:17	MP35114-SD1	1733	60017	10559	4970
17:22	ZZZZZZ	1755	61057	10703	5059
17:27	MA52983-CCV7	1716	58321	10571	4612
17:32	MA52983-CCB8	1755	60514	10546	5049
17:37	MP35088-MB1	1756	61178	10738	5073
17:42	MP35088-LB1	1567	54631	10457	3993
17:47	MP35088-B1	1732	59538	10674	4757
17:52	MP35088-LS1	1604	55114	10458	3965
17:57	MP35088-S1	1546	54096	10309	3782
18:02	MP35088-S2	1549	54349	10407	3780
18:07	JD51273-1A	1529	54072	10336	3802
18:12	MP35088-SD1	1660	57478	10412	4380
18:17	ZZZZZZ	1521	53740	10184	3843
18:23	MA52983-CCV8	1720	58395	10465	4621
18:28	MA52983-CCB9	1768	60634	10559	5073
18:33	JD50441-1AR	1545	54291	10313	3919
18:38	JD50441-2AR	1538	54214	10289	3895
18:43	JD50441-3AR	1587	55090	10323	4055
18:48	JD50441-4AR	1570	54632	10387	3990
18:54	JD50441-5AR	1519	53784	10238	3863
18:59	JD50441-6AR	1526	54058	10282	3871

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:04	JD50441-7AR	1490	53288	10120	3787
19:09	JD50441-8AR	1552	54574	10303	3924
19:15	JD50441-9AR	1560	54522	10352	3970
19:20	MA52983-CCV9	1724	58998	10508	4645
19:25	MA52983-CCB10	1776	60907	10522	5092
19:30	JD50441-10AR	1570	54890	10358	3994
19:35	ZZZZZZ	1577	55166	10417	4036
19:40	MP35087-B1	1742	59948	10667	4766
19:45	MP35087-MB1	1768	61946	10658	5115
19:50	MP35087-LB1	1766	61418	10650	5115
19:56	MP35087-LS1	1739	59985	10655	4783
20:00	MP35087-S1	1728	59591	10656	4715
20:05	MP35087-S2	1727	59671	10619	4717
20:10	JD49050-1U	1756	60942	10612	4979
20:15	MP35087-SD1	1770	61303	10579	5082
20:20	MA52983-CCV10	1730	59089	10476	4665
20:25	MA52983-CCB11	1778	61421	10582	5113
20:30	ZZZZZZ	1753	61144	10686	5016
20:35	ZZZZZZ	1708	60200	10662	4814
20:40	ZZZZZZ	1751	61488	10856	4992
20:45	ZZZZZZ	1761	61953	10851	5054
20:51	MP35062-B1	1734	60901	10756	4816
20:55	MP35062-MB1	1766	62471	10828	5150
21:01	MP35062-S1	1657	59257	10558	4522
21:05	MP35062-S2	1652	59163	10558	4525
21:10	JD51365-3	1661	59856	10510	4650
21:15	MP35062-SD1	1727	61296	10502	4966
21:21	MA52983-CCV11	1712	59846	10531	4674
21:25	MA52983-CCB12	1752	62079	10515	5118
21:31	ZZZZZZ	1612	58361	10469	4252
21:36	ZZZZZZ	1692	60849	10580	4822
21:41	ZZZZZZ	1529	54908	10158	3951
21:46	ZZZZZZ	1591	58434	10304	4424

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:51	ZZZZZZ	1694	60761	10609	4821
21:56	ZZZZZZ	1660	59852	10512	4611
22:01	ZZZZZZ	1648	59861	10441	4656
22:06	ZZZZZZ	1684	60791	10580	4869
22:12	ZZZZZZ	1675	60635	10521	4766
22:17	MA52983-CCV12	1692	59825	10394	4657
22:22	MA52983-CCB13	1739	62116	10504	5115
22:27	ZZZZZZ	1680	60862	10607	4826
22:32	ZZZZZZ	1639	59643	10459	4621
22:37	ZZZZZZ	1517	54693	10107	3936
22:42	ZZZZZZ	1593	58374	10310	4431
22:47	ZZZZZZ	1644	59893	10481	4660
22:52	ZZZZZZ	1690	61187	10580	4875
22:57	MA52983-CCV13	1712	59516	10405	4659
23:02	MA52983-CCB14	1742	61689	10453	5096
23:07	MP35094-MB1	1743	62160	10633	5125
23:13	MP35094-B1	1710	60291	10607	4773
23:17	MP35094-S1	1693	59993	10573	4674
23:22	MP35094-S2	1688	59917	10569	4687
23:27	JD51420-2	1719	61150	10598	4945
23:32	MP35094-SD1	1731	61144	10459	5048
23:37	ZZZZZZ	1715	61714	10715	4984
23:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
23:47	ZZZZZZ	1684	60436	10574	4720
23:53	ZZZZZZ	1696	60902	10609	4844
23:58	MA52983-CCV14	1700	59520	10452	4668
00:03	MA52983-CCB15	1753	61703	10477	5119
00:08	ZZZZZZ	1709	60761	10550	4855
00:13	ZZZZZZ	1715	61329	10660	4933
00:18	ZZZZZZ	1726	61578	10625	4955
00:23	ZZZZZZ	1721	61329	10652	4932
00:28	ZZZZZZ	1682	60427	10518	4744
00:33	ZZZZZZ	1691	60590	10583	4810

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:39	ZZZZZZ	1695	60713	10568	4813
00:44	ZZZZZZ	1628	58992	10495	4539
00:49	ZZZZZZ	1652	59687	10541	4623
00:54	ZZZZZZ	1666	59901	10420	4683
00:59	MA52983-CCV15	1695	59854	10324	4675
01:04	MA52983-CCB16	1749	61929	10485	5133
01:09	ZZZZZZ	1718	61141	10579	4914
01:14	ZZZZZZ	1750	62847	10660	5141
01:20	ZZZZZZ	1702	60815	10524	4904
01:25	ZZZZZZ	1663	59884	10450	4705
01:30	ZZZZZZ	1625	58922	10446	4496
01:35	MP35116-MB1	1756	62272	10651	5153
01:40	MP35116-LB1	1756	62473	10699	5166
01:45	MP35116-B1	1724	60788	10679	4808
01:50	MP35116-LS1	1715	60656	10609	4802
01:55	MP35116-S1	1720	60999	10769	4816
02:00	MA52983-CCV16	1709	59660	10394	4684
02:05	MA52983-CCB17	1758	61675	10465	5128
02:10	MP35116-S2	1721	61133	10788	4815
02:15	JD50563-13R	1752	62592	10741	5128
02:20	MP35116-SD1	1761	62065	10480	5139
02:25	ZZZZZZ	1760	62444	10727	5116
02:30	ZZZZZZ	1745	61835	10608	5057
02:35	ZZZZZZ	1753	62141	10719	5089
02:40	ZZZZZZ	1761	61805	10727	5062
02:45	ZZZZZZ	1733	61674	10613	5026
02:50	ZZZZZZ	1754	62474	10766	5088
02:56	ZZZZZZ	1762	62384	10743	5095
03:01	MA52983-CCV17	1723	59652	10420	4708
03:06	MA52983-CCB18	1779	61959	10501	5171
03:11	MP35012-MB3	1800	62789	10703	5267
03:16	MP35012-B3	1749	60771	10681	4880
03:21	MP35012-S1	1739	60536	10702	4830

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:26	MP35012-S2	1743	60371	10625	4811
03:30	JD51246-1	1766	61784	10636	5099
03:35	MP35012-SD1	1752	61421	10479	5100
03:41	ZZZZZZ	1737	61398	10646	4951
03:46	ZZZZZZ	1747	61486	10595	4964
03:51	ZZZZZZ	1771	61881	10624	5078
03:56	MA52983-CCV18	1706	59183	10366	4653
04:01	MA52983-CCB19	1765	61812	10451	5132
04:06	ZZZZZZ	1763	61591	10642	4997
04:11	ZZZZZZ	1763	61705	10607	5077
04:16	ZZZZZZ	1746	60858	10414	4930
04:21	ZZZZZZ	1600	56389	10196	4193
04:27	ZZZZZZ	1796	62149	10610	5230
04:32	ZZZZZZ	1667	59319	10418	4622
04:37	MA52983-CCV19	1710	59528	10435	4657
04:42	MA52983-CCB20	1769	61760	10413	5148

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time: / Sample ID:			10:36 ICB2		10:57 CCB1		11:52 CCB2		12:55 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	6.0	2.5	anr							
Arsenic	3.0	2	-0.200	<3.0	0.800	<3.0	1.70	<3.0	0.100	<3.0
Barium	200	.4	-0.100	<200	0.00	<200	0.100	<200	-0.100	<200
Beryllium	1.0	.1	anr							
Bismuth	20	3.6								
Boron	100	1.9								
Cadmium	3.0	.4	-0.100	<3.0	-0.200	<3.0	-0.200	<3.0	0.00	<3.0
Calcium	5000	5.6	anr							
Cerium	100									
Chromium	10	.5	-0.500	<10	-0.200	<10	-0.200	<10	-0.300	<10
Cobalt	50	.5	anr							
Copper	10	1	anr							
Iron	100	11	anr							
Lead	3.0	1.2	0.100	<3.0	0.500	<3.0	-0.300	<3.0	0.00	<3.0
Lithium	50	2.3	anr							
Magnesium	5000	65	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.3	anr							
Phosphorus	50	4.1								
Potassium	10000	55	anr							
Selenium	10	3.5	-2.30	<10	-1.50	<10	-2.60	<10	-2.10	<10
Silicon	200	1.6								
Silver	10	1.1	-0.200	<10	-0.500	<10	-0.300	<10	-1.20	<10
Sodium	10000	11	anr							
Strontium	10	.1								
Sulfur	50	4.4								
Thallium	10	2.5	anr							
Tin	10	1								
Titanium	10	.4								
Tungsten	50	2.8								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time:			10:36		10:57		11:52		12:55	
Sample ID:			ICB2		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time:			13:50		14:53		15:49		16:46	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	6.0	2.5	anr							
Arsenic	3.0	2	2.10	<3.0	-0.100	<3.0	-0.700	<3.0	1.00	<3.0
Barium	200	.4	0.100	<200	0.100	<200	0.200	<200	0.00	<200
Beryllium	1.0	.1	anr							
Bismuth	20	3.6								
Boron	100	1.9								
Cadmium	3.0	.4	0.100	<3.0	0.100	<3.0	0.100	<3.0	-0.100	<3.0
Calcium	5000	5.6	anr							
Cerium	100									
Chromium	10	.5	0.300	<10	-0.200	<10	-0.200	<10	-0.400	<10
Cobalt	50	.5	anr							
Copper	10	1	anr							
Iron	100	11	anr							
Lead	3.0	1.2	-0.900	<3.0	-0.100	<3.0	-0.800	<3.0	-0.500	<3.0
Lithium	50	2.3	anr							
Magnesium	5000	65	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.3	anr							
Phosphorus	50	4.1								
Potassium	10000	55	anr							
Selenium	10	3.5	0.900	<10	-2.30	<10	0.300	<10	-3.60	<10
Silicon	200	1.6								
Silver	10	1.1	-0.700	<10	-1.00	<10	-0.800	<10	-1.10	<10
Sodium	10000	11	anr							
Strontium	10	.1								
Sulfur	50	4.4								
Thallium	10	2.5	anr							
Tin	10	1								
Titanium	10	.4								
Tungsten	50	2.8								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time:			13:50		14:53		15:49		16:46	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time: / Sample ID:			17:32 CCB8		18:28 CCB9		19:25 CCB10		20:25 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	6.0	2.5	anr							
Arsenic	3.0	2	0.00	<3.0	0.400	<3.0	1.30	<3.0	-1.90	<100
Barium	200	.4	0.200	<200	0.00	<200	0.400	<200	0.00	<200
Beryllium	1.0	.1	anr							
Bismuth	20	3.6								
Boron	100	1.9								
Cadmium	3.0	.4	0.300	<3.0	0.100	<3.0	0.100	<3.0	0.00	<4.0
Calcium	5000	5.6	anr							
Cerium	100									
Chromium	10	.5	-0.100	<10	-0.500	<10	-0.300	<10	0.200	<10
Cobalt	50	.5	anr							
Copper	10	1	anr							
Iron	100	11	anr							
Lead	3.0	1.2	0.00	<3.0	0.00	<3.0	-1.50	<3.0	0.00	<100
Lithium	50	2.3	anr							
Magnesium	5000	65	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.3	anr							
Phosphorus	50	4.1								
Potassium	10000	55	anr							
Selenium	10	3.5	-2.60	<10	-1.20	<10	-0.500	<10	-0.700	<100
Silicon	200	1.6								
Silver	10	1.1	-1.10	<10	-1.00	<10	-1.00	<10	-0.400	<10
Sodium	10000	11	anr							
Strontium	10	.1								
Sulfur	50	4.4								
Thallium	10	2.5	anr							
Tin	10	1								
Titanium	10	.4								
Tungsten	50	2.8								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time:			17:32		18:28		19:25		20:25	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA52983 Units: ug/l

Time:		10:40	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	2000	1970	98.5
Barium	2000	1970	98.5
Beryllium	anr		
Bismuth			
Boron			
Cadmium	2000	2010	100.5
Calcium	anr		
Cerium			
Chromium	2000	1990	99.5
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	2000	2000	100.0
Lithium	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	2000	1970	98.5
Silicon			
Silver	250	244	97.6
Sodium	anr		
Strontium			
Sulfur			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA52983 Units: ug/l

Time:		10:40	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		10:16			11:47			12:50	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1990	99.5	2000	1960	98.0	2000	1970	98.5
Barium	2000	1970	98.5	2000	1970	98.5	2000	1950	97.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2010	100.5	2000	2000	100.0	2000	1990	99.5
Calcium	anr								
Cerium									
Chromium	2000	1990	99.5	2000	2010	100.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	1970	98.5	2000	1960	98.0	2000	1980	99.0
Silicon									
Silver	250	246	98.4	250	243	97.2	250	242	96.8
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		10:16			11:47			12:50	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		13:46			14:48			15:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1940	97.0	2000	1970	98.5	2000	1950	97.5
Barium	2000	1960	98.0	2000	1930	96.5	2000	1930	96.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	1980	99.0	2000	1960	98.0	2000	1960	98.0
Calcium	anr								
Cerium									
Chromium	2000	1990	99.5	2000	1990	99.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	1930	96.5	2000	1910	95.5	2000	1900	95.0
Silicon									
Silver	250	242	96.8	250	245	98.0	250	246	98.4
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		13:46			14:48			15:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		16:41			17:27			18:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1950	97.5	2000	1950	97.5	2000	1950	97.5
Barium	2000	1930	96.5	2000	1910	95.5	2000	1900	95.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	1950	97.5	2000	1940	97.0	2000	1940	97.0
Calcium	anr								
Cerium									
Chromium	2000	1990	99.5	2000	1980	99.0	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	1910	95.5	2000	1930	96.5	2000	1930	96.5
Silicon									
Silver	250	245	98.0	250	245	98.0	250	244	97.6
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		16:41			17:27			18:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		19:20			20:20	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	2000	1940	97.0	2000	1940	97.0
Barium	2000	1920	96.0	2000	1930	96.5
Beryllium	anr					
Bismuth						
Boron						
Cadmium	2000	1940	97.0	2000	1950	97.5
Calcium	anr					
Cerium						
Chromium	2000	1960	98.0	2000	1960	98.0
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	2000	2000	100.0	2000	1990	99.5
Lithium	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Phosphorus						
Potassium	anr					
Selenium	2000	1930	96.5	2000	1940	97.0
Silicon						
Silver	250	244	97.6	250	243	97.2
Sodium	anr					
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		19:20			20:20	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA52983 Units: ug/l

Time:		11:27			11:32	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	8000	7710	96.4			
Barium	8000	8260	103.3			
Beryllium	anr					
Bismuth						
Boron						
Cadmium	8000	7790	97.4			
Calcium						
Cerium						
Chromium	8000	8450	105.6			
Cobalt	anr					
Copper	anr					
Iron						
Lead	8000	8240	103.0			
Lithium	anr					
Magnesium						
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Phosphorus						
Potassium						
Selenium	8000	8310	103.9			
Silicon						
Silver	625	584	93.4			
Sodium						
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA52983 Units: ug/l

Time:		11:27			11:32	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA52983 Units: ug/l

Time:				11:06		12:10		13:56	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	7.80	97.5	3.50	116.7	3.50	116.7
Barium	200		4.0	199	99.5	4.00	100.0	4.00	100.0
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.20	106.7	1.20	120.0	1.10	110.0
Calcium	5000	2000	1000	anr					
Cerium									
Chromium	10		2.0	10.0	100.0	2.00	100.0	2.10	105.0
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	3.00	100.0				
Lithium	50			anr					
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Phosphorus	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	8.40	84.0				
Silicon	200								
Silver	5.0		2.0	4.80	96.0				
Sodium	5000		1000	anr					
Strontium	10								
Sulfur	50								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA52983 Units: ug/l

Time:				11:06		12:10		13:56	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	anr					
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA52983 Units: ug/l

Time:				14:33	
Sample ID:	CRI	CRIA	CRID	CRI2	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	anr	
Antimony	6.0	20	3.0	anr	
Arsenic	8.0	20	3.0	8.60	107.5
Barium	200		4.0	191	95.5
Beryllium	2.0		1.0	anr	
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0	3.10	103.3
Calcium	5000	2000	1000	anr	
Cerium					
Chromium	10		2.0	9.60	96.0
Cobalt	50		3.0	anr	
Copper	10		2.0	anr	
Iron	100	500		anr	
Lead	3.0	20	2.5	2.50	83.3
Lithium	50			anr	
Magnesium	5000	2000	100	anr	
Manganese	15		3.0	anr	
Molybdenum	20			anr	
Nickel	10		4.0	anr	
Phosphorus	50				
Potassium	5000		2000	anr	
Selenium	10	20	5.0	10.3	103.0
Silicon	200				
Silver	5.0		2.0	4.20	84.0
Sodium	5000		1000	anr	
Strontium	10				
Sulfur	50				
Thallium	10		2.0	anr	
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0	anr	

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA52983 Units: ug/l

Time:				14:33	
Sample ID:	CRI	CRIA	CRID	CRI2	
Metal	True	True	True	Results	% Rec
Zinc	20		10	anr	
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD50441R
Account: EENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA52983 Units: ug/l

Time:			11:17		11:22		14:38		14:43	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	498000	99.6	490000	98.0	494000	98.8	484000	96.8
Antimony		1000	1.40		1020	102.0	1.80		1010	101.0
Arsenic		1000	-0.400		996	99.6	0.500		984	98.4
Barium		500	-9.80		457	91.4	-9.50		452	90.4
Beryllium		500	-0.300		467	93.4	-0.400		466	93.2
Bismuth		500	4.60		480	96.0	2.60		479	95.8
Boron		500	-5.50		464	92.8	-3.30		461	92.2
Cadmium		1000	-0.100		1010	101.0	-0.200		996	99.6
Calcium	400000	400000	379000	94.8	370000	92.5	376000	94.0	365000	91.3
Cerium			164*		642*		162*		642*	
Chromium		500	-3.00		459	91.8	-3.00		465	93.0
Cobalt		500	-0.800		465	93.0	-1.10		465	93.0
Copper		500	0.400		503	100.6	-1.10		499	99.8
Iron	200000	200000	212000	106.0	189000	94.5	212000	106.0	188000	94.0
Lead		1000	-2.40		913	91.3	2.80		912	91.2
Lithium		500	-1.20		503	100.6	-1.00		496	99.2
Magnesium	500000	500000	476000	95.2	481000	96.2	473000	94.6	477000	95.4
Manganese		500	2.40		484	96.8	2.10		487	97.4
Molybdenum		500	-1.50		462	92.4	-1.80		452	90.4
Nickel		1000	-1.20		898	89.8	-0.500		893	89.3
Phosphorus		500	19.0		435	87.0	19.3		458	91.6
Potassium			134		133		145		145	
Selenium		1000	-0.500		896	89.6	-6.00		864	86.4
Silicon		500	-3.80		594	118.8	-3.60		588	117.6
Silver		1000	2.50		999	99.9	0.700		996	99.6
Sodium			-33.1		-19.9		-36.1		-27.9	
Strontium		500	-1.30		458	91.6	-1.20		453	90.6
Sulfur		500	-14.5		437	87.4	-22.1		437	87.4
Thallium		1000	-3.50		885	88.5	-1.50		818	81.8
Tin		500	-4.50		450	90.0	-3.90		447	89.4
Titanium		500	-0.500		484	96.8	-0.500		484	96.8
Tungsten		500	6.40		467	93.4	7.70		462	92.4
Vanadium		500	0.200		479	95.8	0.400		481	96.2

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA52983 Units: ug/l

Time:			11:17		11:22		14:38		14:43	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	3.50		944	94.4	2.90		937	93.7
Zirconium		500	-5.30		422	84.4	-4.70		422	84.4

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35070 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.00020	.000024	.000095	-0.000040	<0.00020

Associated samples MP35070: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35070
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 09/12/22

Metal	JD51273-1A Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.0	0.0020	0.0020	100.0	75-125

Associated samples MP35070: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35070 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	JD51273-1A Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.0019	0.0020	95.0	5.1	20

Associated samples MP35070: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35070
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 09/12/22

Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.0020	0.0020	100.0	80-120

Associated samples MP35070: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088
Matrix Type: LEACHATE

Methods: SW846 6010D
Units: mg/l

Prep Date: 09/12/22

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.20	.016	.046		
Antimony	0.10	.0025	.0047		
Arsenic	0.10	.002	.0028	0.00040	<0.10
Barium	0.20	.0004	.013	0.00010	<0.20
Beryllium	0.0020	.0001	.0005		
Bismuth	0.020	.0036	.004		
Boron	0.10	.0019	.063		
Cadmium	0.0040	.0004	.001	-0.00010	<0.0040
Calcium	5.0	.0056	.099		
Chromium	0.010	.0005	.002	-0.00010	<0.010
Cobalt	0.050	.0005	.0026		
Copper	0.010	.001	.0059		
Iron	0.10	.011	.032		
Lead	0.10	.0012	.0018	-0.00030	<0.10
Lithium	0.050	.0023	.0073		
Magnesium	5.0	.065	.14		
Manganese	0.015	.0002	.0014		
Molybdenum	0.020	.0004	.0036		
Nickel	0.010	.0003	.0017		
Phosphorus	0.050	.0041	.018		
Potassium	10	.055	.2		
Selenium	0.10	.0035	.0049	0.00080	<0.10
Silicon	0.20	.0016	.1		
Silver	0.010	.0011	.0019	-0.0014	<0.010
Sodium	10	.011	.57		
Strontium	0.010	.0001	.001		
Sulfur	0.050	.0044	.045		
Thallium	0.10	.0025	.0018		
Tin	0.010	.001	.0037		
Titanium	0.010	.0004	.0025		
Tungsten	0.050	.0028	.04		
Vanadium	0.050	.0006	.0018		
Zinc	0.020	.0001	.0069		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	RL	IDL	MDL	MB raw	final
Zirconium	0.010	.0004	.0041		

Associated samples MP35088: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	JD51273-1A Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	0.0052	2.0	2.0	99.7	75-125
Barium	0.76	2.6	2.0	92.0	75-125
Beryllium					
Bismuth					
Boron					
Cadmium	0.0013	2.0	2.0	99.9	75-125
Chromium	0.18	2.0	2.0	91.0	75-125
Cobalt					
Copper					
Iron					
Lead	0.0021	1.9	2.0	94.9	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium	0.0	2.0	2.0	100.0	75-125
Silver	0.0022	0.26	0.25	103.1	75-125
Strontium					
Sulfur					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					
Zirconium					

Associated samples MP35088: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	JD51273-1A Original MS	Spikelot MPSPK2	% Rec	QC Limits

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	JD51273-1A Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.0052	2.0	2.0	99.7	0.0	20
Barium	0.76	2.6	2.0	92.0	0.0	20
Beryllium						
Bismuth						
Boron						
Cadmium	0.0013	2.0	2.0	99.9	0.0	20
Chromium	0.18	2.0	2.0	91.0	0.0	20
Cobalt						
Copper						
Iron						
Lead	0.0021	1.9	2.0	94.9	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium	0.0	2.0	2.0	100.0	0.0	20
Silver	0.0022	0.26	0.25	103.1	0.0	20
Strontium						
Sulfur						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						
Zirconium						

Associated samples MP35088: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

	JD51273-1A	Spikelot		MSD	QC
Metal	Original MSD	MPSPK2	% Rec	RPD	Limit

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088
Matrix Type: LEACHATE

Methods: SW846 6010D
Units: mg/l

Prep Date:			09/12/22				09/12/22	
Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	1.9	2.0	95.0	80-120	2.0	2.0	100.0	80-120
Barium	1.9	2.0	95.0	80-120	1.8	2.0	90.0	80-120
Beryllium								
Bismuth								
Boron								
Cadmium	1.9	2.0	95.0	80-120	1.9	2.0	95.0	80-120
Calcium								
Chromium	1.9	2.0	95.0	80-120	1.9	2.0	95.0	80-120
Cobalt								
Copper								
Iron								
Lead	1.9	2.0	95.0	80-120	1.9	2.0	95.0	80-120
Lithium								
Magnesium								
Manganese								
Molybdenum								
Nickel								
Phosphorus								
Potassium								
Selenium	1.9	2.0	95.0	80-120	2.0	2.0	100.0	80-120
Silicon								
Silver	0.24	0.25	96.0	80-120	0.25	0.25	100.0	80-120
Sodium								
Strontium								
Sulfur								
Thallium								
Tin								
Titanium								
Tungsten								
Vanadium								
Zinc								

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088
Matrix Type: LEACHATE

Methods: SW846 6010D
Units: mg/l

Prep Date: 09/12/22 09/12/22

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zirconium								

Associated samples MP35088: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088
Matrix Type: LEACHATE

Methods: SW846 6010D
Units: ug/l

Prep Date: 09/12/22

Metal	JD51273-1A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	5.20	0.00	100.0(a)	0-10
Barium	762	777	2.1	0-10
Beryllium				
Bismuth				
Boron				
Cadmium	1.30	0.00	100.0(a)	0-10
Calcium				
Chromium	175	185	5.5	0-10
Cobalt				
Copper				
Iron				
Lead	2.10	0.00	100.0(a)	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	2.20	0.00	100.0(a)	0-10
Strontium				
Sulfur				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: ug/l

Prep Date: 09/12/22

	JD51273-1A		QC
Metal	Original SDL 1:5	%DIF	Limits

Associated samples MP35088: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Instrument Detection Limits

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Instrument ID: LEEMANHG8 **Effective Date:** 01/12/21

Analyte	IDL ug/l
Mercury	.0237

The above applies to the following instrument runs:
MA52966

Instrument Detection Limits

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Instrument ID: SSTRACE5 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	15.9
Antimony	2.5
Arsenic	2
Barium	.4
Beryllium	.1
Bismuth	3.6
Boron	1.9
Cadmium	.4
Calcium	5.6
Chromium	.5
Cobalt	.5
Copper	1
Iron	11.1
Lead	1.2
Lithium	2.3
Magnesium	64.9
Manganese	.2
Molybdenum	.4
Nickel	.3
Phosphorus	4.1
Potassium	55.1
Selenium	3.5
Silicon	1.6
Silver	1.1
Sodium	11.1
Sulfur	4.4
Strontium	.1
Thallium	2.5
Tin	1
Titanium	.4
Tungsten	2.8
Vanadium	.6
Zinc	.1
Zirconium	.4

The above applies to the following instrument runs:
MA52983

Instrument Linear Ranges

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Instrument ID: LEEMANHG8 **Effective Date:** 03/10/17

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA52966

Instrument Linear Ranges

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Instrument ID: SSTRACE5 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA52983

Metals Analysis

Raw Data

MA52966

Method: SGS Operator: Admin Date of Analysis: 12 Sep 2022 13:26:53

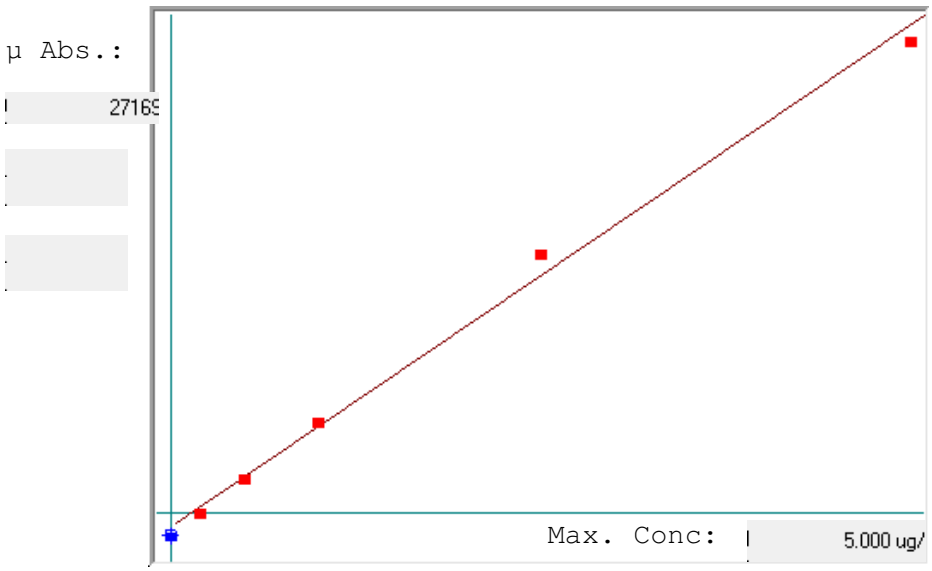
Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	12 Sep 2022 13:27:17	S	ug/l	-	-1303	1.000	1.000
STDB - 1	12 Sep 2022 13:28:40	S	ug/l	-	36	1.000	1.000
STDC - 1	12 Sep 2022 13:30:04	S	ug/l	-	2012	1.000	1.000
STDD - 1	12 Sep 2022 13:31:39	S	ug/l	-	5229	1.000	1.000
STDE - 1	12 Sep 2022 13:33:13	S	ug/l	-	15078	1.000	1.000
STDF - 1	12 Sep 2022 13:34:51	S	ug/l	-	27304	1.000	1.000
STDE - 1	12 Sep 2022 13:41:19	S	ug/l	-	14950	1.000	1.000
STDF - 1	12 Sep 2022 13:42:42	S	ug/l	-	27169	1.000	1.000
STDB - 1	12 Sep 2022 13:46:01	S	ug/l	-	4	1.000	1.000
SAMPLECONF - 1	12 Sep 2022 13:49:47	U	ug/l	-0.1389	-1631	1.000	1.000
ICV - 1	12 Sep 2022 13:51:13	C	ug/l	3.2000	17619	1.000	1.000
SAMPLECONF - 1	12 Sep 2022 13:52:37	C	ug/l	(L)-0.1155	-1496	1.000	1.000
ICB - 1	12 Sep 2022 13:56:16	C	ug/l	0.0313	-650	1.000	1.000
SAMPLECONF - 1	12 Sep 2022 13:59:30	C	ug/l	(H)2.7577	15069	1.000	1.000
CCV - 1	12 Sep 2022 14:01:41	C	ug/l	2.7195	14849	1.000	1.000
CCB - 1	12 Sep 2022 14:04:46	C	ug/l	-0.0329	-1020	1.000	1.000
CRI - 1	12 Sep 2022 14:06:09	C	ug/l	0.1440	0	1.000	1.000
SAMPLECONF - 1	12 Sep 2022 14:07:35	U	ug/l	-0.1155	-1496	1.000	1.000
MP35065-B1 - 1	12 Sep 2022 14:09:01	U	ug/l	2.1020	11289	1.000	1.000
MP35065-S1 - 1	12 Sep 2022 14:10:22	U	ug/l	2.2038	11876	1.000	1.000
MP35065-S2 - 1	12 Sep 2022 14:12:06	U	ug/l	2.1777	11725	1.000	1.000
JD51170-1 - 1	12 Sep 2022 14:13:50	U	ug/l	-0.1217	-1532	1.000	1.000
JD51170-2 - 1	12 Sep 2022 14:15:30	U	ug/l	-0.0144	-913	1.000	1.000
JD51170-5 - 1	12 Sep 2022 14:16:54	U	ug/l	-0.0041	-854	1.000	1.000
CCV - 1	12 Sep 2022 14:18:20	C	ug/l	2.5155	13673	1.000	1.000
CCB - 1	12 Sep 2022 14:19:44	C	ug/l	-0.1304	-1582	1.000	1.000
JD51153-1 - 1	12 Sep 2022 14:21:24	U	ug/l	-0.0053	-861	1.000	1.000
JD51153-5 - 1	12 Sep 2022 14:22:46	U	ug/l	-0.1167	-1503	1.000	1.000
JD51158-1 - 1	12 Sep 2022 14:24:11	U	ug/l	-0.0640	-1199	1.000	1.000
JD51204-6 - 1	12 Sep 2022 14:25:37	U	ug/l	-0.0836	-1312	1.000	1.000
JD51204-7 - 1	12 Sep 2022 14:27:01	U	ug/l	-0.0797	-1290	1.000	1.000
JD51204-8 - 1	12 Sep 2022 14:28:26	U	ug/l	-0.1174	-1507	1.000	1.000
JD51256-10 - 1	12 Sep 2022 14:29:51	U	ug/l	-0.0801	-1292	1.000	1.000
JD51256-11 - 1	12 Sep 2022 14:31:13	U	ug/l	-0.0863	-1328	1.000	1.000
CCV - 1	12 Sep 2022 14:32:40	C	ug/l	2.5709	13992	1.000	1.000
CCB - 1	12 Sep 2022 14:34:08	C	ug/l	-0.1124	-1478	1.000	1.000
JD51277-2 - 1	12 Sep 2022 14:35:53	U	ug/l	0.1345	-55	1.000	1.000
JD51218-1 - 1	12 Sep 2022 14:37:17	U	ug/l	-0.0978	-1394	1.000	1.000
JD51218-2 - 1	12 Sep 2022 14:38:49	U	ug/l	-0.0652	-1206	1.000	1.000
JD51218-3 - 1	12 Sep 2022 14:40:11	U	ug/l	-0.0654	-1207	1.000	1.000
JD51248-2 - 1	12 Sep 2022 14:41:36	U	ug/l	-0.0662	-1212	1.000	1.000
JD51248-3 - 1	12 Sep 2022 14:43:03	U	ug/l	-0.0908	-1354	1.000	1.000
JD51248-12 - 1	12 Sep 2022 14:44:28	U	ug/l	-0.0638	-1198	1.000	1.000
JD51248-13 - 1	12 Sep 2022 14:45:54	U	ug/l	-0.0626	-1191	1.000	1.000
CCV - 1	12 Sep 2022 14:47:20	C	ug/l	2.5429	13831	1.000	1.000
CCB - 1	12 Sep 2022 14:48:45	C	ug/l	-0.1021	-1419	1.000	1.000
MP35069-MB1 - 1	12 Sep 2022 15:33:40	U	ug/l	0.0189	-721	1.000	1.000
MP35069-B1 - 1	12 Sep 2022 15:35:11	U	ug/l	2.1397	11506	1.000	1.000
MP35069-S1 - 1	12 Sep 2022 15:36:37	U	ug/l	2.1959	11830	1.000	1.000
MP35069-S2 - 1	12 Sep 2022 15:38:21	U	ug/l	2.1121	11347	1.000	1.000
JD51273-2 - 1	12 Sep 2022 15:39:58	U	ug/l	-0.0647	-1203	1.000	1.000
JD51275-3 - 1	12 Sep 2022 15:41:42	U	ug/l	0.1029	-237	1.000	1.000
JD51275-5 - 1	12 Sep 2022 15:43:12	U	ug/l	0.1825	222	1.000	1.000
CCV - 1	12 Sep 2022 15:44:41	C	ug/l	2.4122	13077	1.000	1.000
CCB - 1	12 Sep 2022 15:46:09	C	ug/l	-0.1134	-1484	1.000	1.000
JD51275-7 - 1	12 Sep 2022 15:47:53	U	ug/l	0.0016	-821	1.000	1.000
JD51275-9 - 1	12 Sep 2022 15:49:18	U	ug/l	0.0597	-486	1.000	1.000
JD51289-2F - 1	12 Sep 2022 15:50:42	U	ug/l	-0.1018	-1417	1.000	1.000
JD51289-3F - 1	12 Sep 2022 15:52:07	U	ug/l	-0.0763	-1270	1.000	1.000
JD51289-4F - 1	12 Sep 2022 15:53:31	U	ug/l	-0.0773	-1276	1.000	1.000
JD51277-1 - 1	12 Sep 2022 15:54:58	U	ug/l	0.0524	-528	1.000	1.000
CCV - 1	12 Sep 2022 15:56:28	C	ug/l	2.4751	13440	1.000	1.000

MA52966

Method: SGS Operator: Admin Date of Analysis: 12 Sep 2022 13:26:53

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	12 Sep 2022 15:57:58	C	ug/l	-0.1191	-1517	1.000	1.000
JD51278-3 - 1	12 Sep 2022 15:59:38	U	ug/l	-0.0912	-1356	1.000	1.000
JD51278-5 - 1	12 Sep 2022 16:01:07	U	ug/l	0.1117	-186	1.000	1.000
JD51278-7 - 1	12 Sep 2022 16:02:31	U	ug/l	0.1417	-13	1.000	1.000
JD51278-9 - 1	12 Sep 2022 16:04:05	U	ug/l	-0.0572	-1160	1.000	1.000
JD51322-1 - 1	12 Sep 2022 16:05:32	U	ug/l	-0.0503	-1120	1.000	1.000
JD51324-2 - 1	12 Sep 2022 16:06:55	U	ug/l	-0.0461	-1096	1.000	1.000
CCV - 1	12 Sep 2022 16:08:21	C	ug/l	2.4422	13250	1.000	1.000
CCB - 1	12 Sep 2022 16:09:45	C	ug/l	-0.1332	-1598	1.000	1.000
MP35070-MB1 - 1	12 Sep 2022 16:11:23	U	ug/l	-0.0404	-1063	1.000	1.000
MP35070-B1 - 1	12 Sep 2022 16:12:50	U	ug/l	1.9546	10439	1.000	1.000
MP35070-S1 - 1	12 Sep 2022 16:14:14	U	ug/l	1.9789	10579	1.000	1.000
MP35070-S2 - 1	12 Sep 2022 16:15:56	U	ug/l	1.8786	10001	1.000	1.000
JD51273-1A - 1	12 Sep 2022 16:17:42	U	ug/l	-0.0990	-1401	1.000	1.000
JD50939-1RA - 1	12 Sep 2022 16:19:23	U	ug/l	-0.0334	-1023	1.000	1.000
JD50441-1AR - 1	12 Sep 2022 16:20:48	U	ug/l	-0.0806	-1295	1.000	1.000
JD50441-2AR - 1	12 Sep 2022 16:22:13	U	ug/l	-0.0562	-1154	1.000	1.000
CCV - 1	12 Sep 2022 16:23:41	C	ug/l	2.5183	13689	1.000	1.000
CCB - 1	12 Sep 2022 16:25:04	C	ug/l	-0.1104	-1467	1.000	1.000
JD50441-3AR - 1	12 Sep 2022 16:26:47	U	ug/l	-0.0782	-1281	1.000	1.000
JD50441-4AR - 1	12 Sep 2022 16:28:15	U	ug/l	-0.0475	-1104	1.000	1.000
JD50441-5AR - 1	12 Sep 2022 16:29:40	U	ug/l	-0.0463	-1097	1.000	1.000
JD50441-6AR - 1	12 Sep 2022 16:31:07	U	ug/l	-0.0608	-1181	1.000	1.000
JD50441-7AR - 1	12 Sep 2022 16:32:31	U	ug/l	-0.0211	-952	1.000	1.000
JD50441-8AR - 1	12 Sep 2022 16:33:57	U	ug/l	-0.0834	-1311	1.000	1.000
JD50441-9AR - 1	12 Sep 2022 16:35:24	U	ug/l	-0.0645	-1202	1.000	1.000
JD50441-10AR - 1	12 Sep 2022 16:36:52	U	ug/l	-0.0510	-1124	1.000	1.000
CCV - 1	12 Sep 2022 16:38:17	C	ug/l	2.4611	13359	1.000	1.000
CCB - 1	12 Sep 2022 16:39:44	C	ug/l	-0.1490	-1689	1.000	1.000
MP35065-MB1 - 1	12 Sep 2022 16:44:41	U	ug/l	-0.0213	-953	1.000	1.000
CCV - 1	12 Sep 2022 16:50:50	C	ug/l	2.6682	14553	1.000	1.000
CCB - 1	12 Sep 2022 16:52:44	C	ug/l	-0.0456	-1093	1.000	1.000

Linear



A= 0.0000e+000
B= 1.7345e-004
C= 1.4400e-001
Rho= 0.9975765
Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	-0.082	-0.082	-1303	0.000	-1303				
STDB	0.200	0.145	-0.055	4	0.0 %	4				
STDC	0.500	0.493	-0.007	2012	0.0 %	2012				
STDD	1.000	1.051	0.051	5229	0.0 %	5229				
STDE	2.500	2.737	0.237	14950	0.0 %	14950				
STDF	5.000	4.856	-0.144	27169	0.0 %	27169				

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 9/13/2022 10:05:07 Type: Cal
Method: SGS 070219(v210) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0013**	**-.0007**	**.0004**	**.0062**	**.0000**	**-.0008**	**.0039**	**.0004**
Stddev	.0000	.0002	.0001	.0001	.0005	.0001	.0003	.0001	.0003
%RSD	11.76	12.81	8.725	18.71	7.689	261.5	41.96	1.380	72.22
#1	-.0002	-.0014	-.0006	.0003	.0066	.0001	-.0005	.0040	.0002
#2	-.0002	-.0013	-.0007	.0005	.0057	.0000	-.0012	.0040	.0003
#3	-.0003	-.0011	-.0007	.0004	.0062	-.0000	-.0007	.0039	.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0003**	**-.0004**	**-.0000**	**.0043**	**.0000**	**.0020**	**-.0034**	**-.0001**	**.0001**
Stddev	.0001	.0001	.0000	.0001	.0001	.0004	.0004	.0001	.0000
%RSD	33.05	26.35	111.5	1.637	333.6	18.94	13.11	136.7	24.06
#1	.0004	-.0005	-.0001	.0044	-.0001	.0018	-.0030	.0000	.0000
#2	.0003	-.0005	-.0000	.0044	.0001	.0018	-.0035	-.0001	.0001
#3	.0002	-.0003	-.0000	.0043	.0001	.0025	-.0038	-.0002	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**.0042**	**-.0003**	**-.0023**	**.0002**	**-.0001**	**-.0005**	**.0006**	**.0037**
Stddev	.0001	.0008	.0001	.0001	.0002	.0002	.0002	.0001	.0002
%RSD	261.6	19.78	32.71	6.336	94.50	366.7	36.61	21.93	4.615
#1	.0002	.0033	-.0002	-.0022	.0003	.0001	-.0003	.0006	.0039
#2	-.0001	.0049	-.0003	-.0025	-.0000	-.0000	-.0004	.0004	.0035
#3	.0000	.0045	-.0002	-.0024	.0004	-.0003	-.0007	.0007	.0036

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0003**	**.0003**	**-.0000**	**.0000**	**-.0001**	**.0009**	**.0011**	**.0001**
Stddev	.0002	.0001	.0000	.0001	.0000	.0003	.0001	.0000
%RSD	62.73	46.57	60.72	584.8	68.74	28.46	10.33	9.135
#1	.0001	.0002	-.0000	-.0001	-.0001	.0009	.0011	.0001
#2	.0005	.0004	-.0001	.0000	-.0000	.0011	.0013	.0001
#3	.0003	.0002	-.0001	.0001	-.0001	.0006	.0010	.0001

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 9/13/2022 10:05:07 Type: Cal
Method: SGS 070219(v210) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5021.1**	**60638.**	**10462.**	**1713.4**
Stddev	6.8	145.	27.	4.7
%RSD	.13595	.23903	.25935	.27520
#1	5028.9	60756.	10432.	1718.8
#2	5016.0	60682.	10483.	1710.3
#3	5018.4	60476.	10473.	1711.0

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 9/13/2022 10:11:43 Type: Cal
Method: SGS 070219(v210) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0589**	**2.938**	**.4742**	**.8718**	**8.785**	**6.726**	**1.082**	**3.906**	**4.231**
Stddev	.0001	.002	.0005	.0002	.014	.003	.003	.002	.006
%RSD	.1903	.0528	.1118	.0225	.1568	.0457	.2683	.0555	.1347
#1	.0590	2.939	.4743	.8719	8.794	6.729	1.079	3.908	4.232
#2	.0590	2.936	.4737	.8719	8.792	6.725	1.084	3.906	4.236
#3	.0588	2.938	.4747	.8716	8.769	6.723	1.083	3.904	4.225

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1368**	**1.748**	**.3346**	**.9077**	**3.370**	**3.011**	**3.479**	**.4074**	**2.554**
Stddev	.0003	.002	.0007	.0017	.001	.006	.004	.0005	.003
%RSD	.1880	.1089	.1990	.1837	.0286	.1873	.1145	.1185	.1039
#1	.1366	1.750	.3353	.9058	3.371	3.015	3.484	.4068	2.557
#2	.1371	1.746	.3340	.9086	3.370	3.014	3.476	.4075	2.552
#3	.1366	1.747	.3344	.9087	3.369	3.005	3.477	.4078	2.554

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.175**	**9.213**	**1.300**	**.2309**	**.5383**	**.1485**	**.7215**	**.3452**	**2.357**
Stddev	.001	.019	.002	.0006	.0009	.0007	.0005	.0002	.000
%RSD	.0150	.2099	.1356	.2427	.1714	.4840	.0678	.0493	.0114
#1	3.176	9.220	1.302	.2309	.5392	.1493	.7209	.3450	2.357
#2	3.175	9.228	1.298	.2314	.5374	.1482	.7217	.3451	2.357
#3	3.175	9.191	1.300	.2303	.5383	.1480	.7218	.3454	2.358

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.6843**	**14.19**	**.4878**	**.1394**	**.5445**	**1.671**	**3.600**	**1.314**
Stddev	.0003	.02	.0003	.0007	.0004	.002	.007	.001
%RSD	.0479	.1397	.0601	.5210	.0748	.1365	.1853	.0612
#1	.6840	14.20	.4881	.1393	.5448	1.673	3.607	1.314
#2	.6847	14.20	.4876	.1388	.5441	1.670	3.595	1.314
#3	.6843	14.16	.4878	.1402	.5447	1.669	3.597	1.313

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 9/13/2022 10:11:43 Type: Cal
Method: SGS 070219(v210) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4381.3**	**57096.**	**10332.**	**1626.5**
Stddev	3.4	73.	5.	2.7
%RSD	.07748	.12698	.04595	.16773
#1	4377.4	57058.	10334.	1625.2
#2	4382.7	57180.	10327.	1624.6
#3	4383.8	57051.	10336.	1629.6

Zoom In Zoom Out

Sample Name: ICV 1 Acquired: 9/13/2022 10:16:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2463**	**38.68**	**1.991**	**2.033**	**1.973**	**1.995**	**2.024**	**39.04**	**2.010**
Stddev	.0016	.06	.002	.005	.000	.003	.002	.10	.003
%RSD	.6454	.1477	.1100	.2618	.0174	.1523	.0880	.2605	.1370
#1	.2471	38.64	1.994	2.039	1.973	1.993	2.022	38.95	2.013
#2	.2444	38.64	1.990	2.028	1.973	1.994	2.024	39.03	2.010
#3	.2472	38.74	1.990	2.034	1.973	1.999	2.026	39.15	2.008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**1.980**	**1.992**	**1.917**	**39.50**	**38.46**	**1.962**	**38.78**	**2.009**
Stddev	.005	.004	.002	.002	.10	.09	.005	.14	.005
%RSD	.2421	.1866	.1016	.0937	.2441	.2254	.2716	.3668	.2427
#1	2.014	1.978	1.994	1.916	39.42	38.41	1.968	38.63	2.014
#2	2.017	1.977	1.991	1.919	39.47	38.40	1.961	38.79	2.005
#3	2.024	1.984	1.990	1.916	39.61	38.56	1.958	38.91	2.007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**38.71**	**1.992**	**1.957**	**2.005**	**1.957**	**2.002**	**1.970**	F **5.398**
Stddev	.006	.08	.003	.005	.005	.005	.002	.002	.016
%RSD	.3192	.2153	.1502	.2819	.2561	.2628	.1190	.0974	.3009
#1	2.035	38.64	1.993	1.962	2.001	1.952	2.001	1.972	5.417
#2	2.022	38.68	1.989	1.958	2.004	1.957	2.000	1.968	5.390
#3	2.025	38.80	1.994	1.951	2.011	1.962	2.004	1.970	5.388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									5.000
Range									5.000%

Zoom In Zoom Out

Sample Name: ICV 1 Acquired: 9/13/2022 10:16:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**1.977**	**2.007**	**2.025**	**1.980**	**2.017**	**2.011**	**1.999**
Stddev	.004	.004	.001	.009	.004	.003	.005	.002
%RSD	.2139	.2173	.0476	.4551	.2014	.1339	.2427	.1018
#1	2.040	1.974	2.008	2.032	1.984	2.020	2.016	2.002
#2	2.031	1.974	2.008	2.015	1.976	2.016	2.007	1.999
#3	2.037	1.982	2.006	2.029	1.980	2.015	2.009	1.998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4579.6**	**58298.**	**10475.**	**1673.4**
Stddev	4.6	171.	59.	1.7
%RSD	.10039	.29336	.56612	.10081
#1	4582.7	58142.	10514.	1671.9
#2	4581.8	58481.	10503.	1673.0
#3	4574.3	58270.	10406.	1675.2

Zoom In Zoom Out

Sample Name: ICB 7 Acquired: 9/13/2022 10:24:17 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0055**	**.0009**	**.0030**	**.0000**	**.0001**	**-.0003**	**.0015**	**.0001**
Stddev	.0003	.0031	.0015	.0002	.0001	.0000	.0022	.0014	.0002
%RSD	35.30	55.93	162.6	7.628	2193.	64.51	642.5	94.79	196.3
#1	-.0005	-.0085	.0021	.0031	-.0001	.0000	.0009	.0020	-.0001
#2	-.0010	-.0055	.0015	.0031	-.0000	.0001	-.0028	.0026	.0001
#3	-.0006	-.0024	-.0008	.0027	.0001	.0001	.0009	-.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0001**	**-.0006**	**.0001**	**.0023**	**.0164**	**.0011**	**.0036**	**.0000**
Stddev	.0018	.0002	.0003	.0002	.0022	.0107	.0008	.0261	.0000
%RSD	305.1	297.2	56.13	346.6	93.81	65.19	73.60	735.5	44.30
#1	-.0015	.0002	-.0010	.0003	.0048	.0140	.0021	.0268	.0000
#2	-.0017	-.0003	-.0007	-.0000	.0009	.0071	.0007	-.0247	.0000
#3	.0015	-.0001	-.0003	-.0001	.0012	.0281	.0006	.0086	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0081**	**.0003**	**.0056**	**.0000**	**.0007**	**.0011**	**-.0002**	**.0019**
Stddev	.0002	.0024	.0002	.0010	.0010	.0057	.0007	.0049	.0013
%RSD	38.50	30.05	69.39	17.93	3335.	817.8	63.19	2487.	68.93
#1	.0006	.0096	.0005	.0046	-.0011	-.0029	.0018	.0040	.0018
#2	.0003	.0053	.0001	.0066	.0003	-.0023	.0013	-.0056	.0007
#3	.0007	.0093	.0002	.0056	.0009	.0073	.0004	.0010	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB 7 Acquired: 9/13/2022 10:24:17 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0001**	**.0000**	**-.0007**	**.0000**	**-.0001**	F **.0132**	**.0000**
Stddev	.0009	.0000	.0005	.0006	.0001	.0007	.0004	.0001
%RSD	90.59	33.09	18140.	76.60	7229.	498.2	2.745	699.4
#1	-.0018	.0001	-.0006	-.0005	.0001	.0001	.0128	-.0001
#2	-.0000	.0001	.0002	-.0003	.0000	-.0010	.0134	.0001
#3	-.0010	.0001	.0004	-.0014	-.0001	.0004	.0134	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0020	
Low Limit							-.0020	

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5011.4**	**60531.**	**10537.**	**1718.1**
Stddev	5.6	193.	38.	2.8
%RSD	.11177	.31826	.35696	.16521
#1	5012.4	60464.	10535.	1721.2
#2	5016.4	60749.	10575.	1717.5
#3	5005.4	60381.	10500.	1715.6

Zoom In Zoom Out

Sample Name: ICB 7 Acquired: 9/13/2022 10:36:17 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0049**	**-.0002**	**.0016**	**-.0001**	**.0000**	**-.0004**	**-.0026**	**-.0001**
Stddev	.0001	.0073	.0010	.0003	.0001	.0001	.0006	.0017	.0002
%RSD	66.63	150.2	480.3	18.08	127.5	283.1	161.4	65.04	188.2
#1	-.0003	-.0108	.0003	.0018	-.0001	-.0001	.0001	-.0015	-.0002
#2	-.0002	-.0071	.0004	.0017	.0000	.0001	-.0001	-.0018	.0001
#3	-.0001	.0033	-.0013	.0012	-.0002	.0000	-.0010	-.0045	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0001**	**-.0005**	**-.0001**	**.0004**	**-.0047**	**.0011**	**.0158**	**-.0000**
Stddev	.0026	.0002	.0003	.0004	.0004	.0082	.0009	.0107	.0000
%RSD	1296.	112.8	60.56	437.9	97.59	176.0	80.12	67.65	122.4
#1	.0010	.0000	-.0008	-.0005	.0000	.0010	.0018	.0280	-.0001
#2	.0016	.0003	-.0003	.0003	.0005	-.0010	.0001	.0084	-.0000
#3	-.0032	.0000	-.0003	-.0001	.0009	-.0141	.0014	.0109	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0018**	**-.0001**	**.0087**	**.0001**	**-.0066**	**-.0013**	**-.0023**	**.0008**
Stddev	.0001	.0056	.0002	.0018	.0016	.0045	.0009	.0017	.0017
%RSD	42.84	317.9	197.4	20.80	1409.	67.03	73.67	73.01	219.0
#1	.0004	-.0068	.0000	.0074	-.0005	-.0018	-.0023	-.0018	-.0008
#2	.0002	.0043	-.0000	.0107	-.0011	-.0105	-.0007	-.0041	.0005
#3	.0002	-.0028	-.0003	.0079	.0019	-.0077	-.0008	-.0009	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB 7 Acquired: 9/13/2022 10:36:17 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**.0000**	**-.0002**	**-.0012**	**-.0001**	**-.0005**	**-.0002**	**-.0000**
Stddev	.0007	.0000	.0002	.0010	.0003	.0005	.0002	.0001
%RSD	56.59	237.4	129.1	84.64	327.9	111.0	84.90	2140.
#1	-.0020	.0000	.0001	-.0014	-.0004	-.0011	-.0004	-.0001
#2	-.0007	.0000	-.0004	-.0001	.0000	-.0002	-.0003	-.0000
#3	-.0009	-.0000	-.0002	-.0021	.0001	-.0002	-.0000	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5017.9**	**60411.**	**10491.**	**1716.0**
Stddev	6.3	95.	64.	2.2
%RSD	.12502	.15700	.61337	.13035
#1	5019.4	60360.	10420.	1716.3
#2	5011.1	60520.	10546.	1713.6
#3	5023.4	60352.	10506.	1718.0

Zoom In Zoom Out

Sample Name: iccv 1 Acquired: 9/13/2022 10:40:51 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2438**	**39.09**	**1.966**	**1.997**	**1.973**	**1.996**	**1.983**	**39.48**	**2.005**
Stddev	.0010	.02	.009	.010	.003	.003	.009	.05	.008
%RSD	.4207	.0637	.4725	.4928	.1421	.1256	.4349	.1374	.3921
#1	.2437	39.08	1.975	2.004	1.969	1.995	1.981	39.55	2.003
#2	.2425	39.06	1.967	1.998	1.973	1.999	1.986	39.43	2.011
#3	.2450	39.11	1.953	1.982	1.973	1.998	1.973	39.48	1.994
#4	.2440	39.11	1.968	2.003	1.976	1.993	1.993	39.44	2.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**1.981**	**1.993**	**1.920**	**39.89**	**38.75**	**1.961**	**39.13**	**2.012**
Stddev	.005	.008	.005	.003	.06	.11	.001	.08	.001
%RSD	.2455	.4187	.2514	.1794	.1386	.2720	.0596	.2053	.0602
#1	2.008	1.988	1.993	1.923	39.90	38.64	1.963	39.05	2.011
#2	2.016	1.983	1.996	1.919	39.93	38.69	1.961	39.11	2.012
#3	2.005	1.969	1.986	1.923	39.92	38.80	1.960	39.24	2.011
#4	2.008	1.986	1.996	1.916	39.81	38.87	1.962	39.11	2.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv 1 Acquired: 9/13/2022 10:40:51 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.013**	**38.97**	**1.991**	F **1.866**	**2.000**	**1.934**	**1.978**	**1.971**	**4.887**
Stddev	.010	.10	.008	.008	.007	.015	.010	.008	.025
%RSD	.5037	.2515	.3947	.4309	.3693	.7562	.5130	.4122	.5125
#1	2.017	38.84	1.997	1.869	2.005	1.939	1.978	1.971	4.903
#2	2.017	38.97	1.992	1.870	2.004	1.946	1.983	1.970	4.892
#3	1.998	38.97	1.980	1.854	1.989	1.912	1.964	1.961	4.850
#4	2.019	39.08	1.995	1.871	2.002	1.937	1.987	1.981	4.902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				-5.000%					

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**1.974**	**1.992**	**2.023**	**1.987**	**2.008**	**2.020**	**1.982**
Stddev	.011	.004	.001	.015	.001	.009	.009	.002
%RSD	.5224	.1964	.0562	.7494	.0518	.4600	.4220	.0836
#1	2.022	1.968	1.992	2.028	1.985	2.010	2.025	1.984
#2	2.022	1.974	1.993	2.025	1.987	2.014	2.026	1.981
#3	2.000	1.977	1.990	2.001	1.986	1.995	2.008	1.983
#4	2.020	1.976	1.993	2.037	1.988	2.014	2.022	1.981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: iccv 1 Acquired: 9/13/2022 10:40:51 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4594.7	58545.	10504.	1679.5
Stddev	13.9	34.	25.	5.9
%RSD	.30218	.05848	.24039	.35124
#1	4587.8	58539.	10505.	1678.9
#2	4586.7	58504.	10515.	1675.4
#3	4615.5	58549.	10526.	1688.0
#4	4588.8	58587.	10468.	1675.6

Zoom In Zoom Out

Sample Name: ccb 7 Acquired: 9/13/2022 10:57:26 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0049**	**.0008**	**.0021**	**-.0000**	**.0000**	**-.0012**	**.0009**	**-.0002**
Stddev	.0003	.0031	.0013	.0006	.0001	.0000	.0006	.0035	.0003
%RSD	59.95	61.73	160.3	30.48	541.0	130.0	46.33	366.6	155.0
#1	-.0002	-.0028	.0000	.0017	.0000	.0000	-.0006	-.0027	.0001
#2	-.0004	-.0084	.0001	.0028	.0001	.0001	-.0017	.0042	-.0005
#3	-.0008	-.0036	.0023	.0017	-.0002	-.0000	-.0014	.0013	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**-.0002**	**-.0002**	**-.0002**	**.0023**	**-.0069**	**.0004**	**.0056**	**-.0000**
Stddev	.0030	.0002	.0006	.0002	.0027	.0148	.0009	.0100	.0000
%RSD	180.9	85.73	226.4	89.11	116.6	215.5	260.2	178.5	208.6
#1	-.0013	-.0001	.0003	-.0000	.0052	-.0075	-.0006	.0057	-.0000
#2	.0016	-.0001	-.0008	-.0001	.0000	-.0214	.0012	.0156	.0000
#3	.0047	-.0004	-.0003	-.0004	.0016	.0082	.0005	-.0044	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0024**	**-.0001**	**.0027**	**.0005**	**.0022**	**.0006**	**-.0015**	**.0003**
Stddev	.0003	.0141	.0000	.0030	.0011	.0037	.0004	.0018	.0017
%RSD	476.4	585.4	37.03	111.7	216.4	166.1	61.39	119.9	651.9
#1	.0004	-.0142	-.0001	.0035	.0007	-.0011	.0010	-.0018	.0008
#2	.0000	.0133	-.0001	.0051	-.0006	.0016	.0004	-.0032	.0016
#3	-.0002	-.0063	-.0001	-.0007	.0015	.0062	.0003	.0004	-.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb 7 Acquired: 9/13/2022 10:57:26 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0000**	**-.0001**	**.0001**	**.0002**	**-.0007**	**-.0001**	**.0000**
Stddev	.0002	.0001	.0002	.0021	.0005	.0006	.0002	.0001
%RSD	38.81	893.3	251.4	1651.	344.3	80.10	421.8	130.5
#1	-.0004	.0000	.0000	.0016	.0005	-.0012	.0001	.0000
#2	-.0009	.0000	-.0003	-.0022	.0004	-.0009	.0000	.0001
#3	-.0005	-.0001	.0001	.0011	-.0005	-.0001	-.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5028.3	60665.	10527.	1718.1
Stddev	2.7	89.	22.	.5
%RSD	.05442	.14751	.21133	.02643
#1	5025.3	60686.	10552.	1718.6
#2	5030.6	60567.	10509.	1717.9
#3	5029.1	60742.	10521.	1717.7

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/13/2022 11:06:49 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**.1971**	**.0078**	**.1003**	**.1988**	**.0022**	**.0195**	**5.186**	**.0032**
Stddev	.0005	.0076	.0007	.0014	.0003	.0000	.0010	.018	.0001
%RSD	9.684	3.843	8.974	1.415	.1680	1.374	5.270	.3576	1.733
#1	.0053	.1923	.0071	.0989	.1987	.0022	.0185	5.207	.0031
#2	.0048	.1932	.0085	.1003	.1986	.0022	.0193	5.178	.0032
#3	.0044	.2058	.0079	.1017	.1992	.0022	.0206	5.173	.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**.0482**	**.0100**	**.0099**	**.1079**	**4.935**	**.0538**	**5.119**	**.0153**
Stddev	.0016	.0003	.0002	.0001	.0015	.013	.0008	.047	.0000
%RSD	51.35	.6293	2.373	1.243	1.432	.2715	1.474	.9219	.1973
#1	.0017	.0479	.0098	.0098	.1084	4.946	.0546	5.171	.0153
#2	.0049	.0485	.0099	.0100	.1062	4.937	.0536	5.109	.0153
#3	.0029	.0481	.0102	.0100	.1092	4.920	.0530	5.078	.0153
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0211**	**4.950**	**.0098**	**.0483**	**.0030**	**.0437**	**.0052**	**.0084**	**.2019**
Stddev	.0002	.011	.0001	.0015	.0010	.0084	.0015	.0016	.0008
%RSD	1.144	.2249	1.155	3.166	32.44	19.17	29.40	19.43	.3732
#1	.0210	4.937	.0097	.0466	.0033	.0533	.0035	.0068	.2018
#2	.0210	4.957	.0097	.0492	.0037	.0379	.0055	.0101	.2027
#3	.0214	4.954	.0099	.0492	.0019	.0400	.0065	.0084	.2012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/13/2022 11:06:49 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0100**	**.0098**	**.0099**	**.0115**	**.0495**	**.0506**	**.0240**	**.0107**
Stddev	.0006	.0000	.0004	.0033	.0001	.0010	.0002	.0000
%RSD	6.482	.2474	3.759	28.36	.2410	1.907	.6321	.4069
#1	.0107	.0098	.0103	.0146	.0496	.0514	.0241	.0107
#2	.0094	.0098	.0097	.0081	.0494	.0509	.0238	.0107
#3	.0098	.0097	.0097	.0118	.0494	.0495	.0240	.0107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4958.4**	**60220.**	**10513.**	**1712.4**
Stddev	8.3	41.	61.	.4
%RSD	.16831	.06730	.58143	.02470
#1	4950.2	60221.	10443.	1712.2
#2	4966.9	60179.	10548.	1712.1
#3	4958.1	60260.	10549.	1712.8

Zoom In Zoom Out

Sample Name: CRID Acquired: 9/13/2022 11:11:58 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0004**	**.1011**	F **.0073**	F **-.0003**	**.0040**	**.0011**	F **-.0003**	**1.051**
Stddev	.0003	.0043	.0014	.0005	.0001	.0000	.0008	.005
%RSD	70.45	4.222	19.46	174.1	3.144	3.692	256.7	.4785
#1	-.0003	.1041	.0087	-.0001	.0039	.0011	-.0008	1.054
#2	-.0002	.1030	.0074	.0001	.0039	.0010	.0006	1.054
#3	-.0008	.0962	.0058	-.0009	.0041	.0011	-.0007	1.045
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	.0020		.0030	.0100			.0040	
Range	-30.00%		20.00%	-30.00%			-30.00%	

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0005**	**.0030**	**.0017**	F **.0001**	**.0049**	**2.014**	F **-.0001**
Stddev	.0001	.0011	.0002	.0005	.0003	.0017	.013	.0013
%RSD	13.10	204.6	6.800	28.93	203.3	35.38	.6386	1915.
#1	.0008	-.0007	.0028	.0012	.0001	.0044	2.024	-.0003
#2	.0009	.0013	.0031	.0022	-.0001	.0034	2.018	-.0012
#3	.0011	.0010	.0031	.0019	.0004	.0068	1.999	.0013
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail
Value					.0020			.0040
Range					-30.00%			-30.00%

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1234**	**.0031**	**-.0001**	**.9911**	**.0047**	F **.0080**	F **-.0007**	F **-.0025**
Stddev	.0076	.0000	.0004	.0055	.0001	.0011	.0008	.0028
%RSD	6.199	1.453	634.0	.5524	1.349	13.98	108.6	112.5
#1	.1178	.0031	.0004	.9936	.0046	.0084	.0000	-.0056
#2	.1321	.0031	-.0001	.9848	.0047	.0067	-.0015	-.0002
#3	.1203	.0032	-.0005	.9948	.0046	.0088	-.0007	-.0017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0025	.0040
Range						30.00%	-30.00%	-30.00%

Zoom In Zoom Out

Sample Name: CRID Acquired: 9/13/2022 11:11:58 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0009**	F **.0034**	**-.0032**	**-.0018**	**-.0001**	**.0001**	F **.0037**	**.0024**
Stddev	.0009	.0010	.0007	.0006	.0000	.0002	.0010	.0002
%RSD	109.4	29.53	22.22	33.29	66.96	304.6	26.79	6.881
#1	-.0015	.0046	-.0028	-.0025	-.0000	-.0001	.0043	.0022
#2	-.0013	.0032	-.0040	-.0015	-.0000	.0003	.0025	.0025
#3	.0002	.0026	-.0028	-.0015	-.0001	.0000	.0042	.0024
Check ?	Chk Fail	Chk Fail	None	None	None	None	Chk Fail	Chk Pass
Value	.0030	.0050					.0020	
Range	-30.00%	-30.00%					20.00%	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	F **-.0000**	**.0102**	F **-.0002**
Stddev	.0012	.0002	.0000
%RSD	4098.	1.920	17.30
#1	.0007	.0102	-.0003
#2	.0006	.0101	-.0002
#3	-.0014	.0105	-.0003
Check ?	Chk Fail	Chk Pass	Chk Fail
Value	.0040		.0040
Range	-30.00%		-30.00%

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5116.0**	**61121.**	**10704.**	**1751.9**
Stddev	7.5	84.	10.	1.3
%RSD	.14754	.13719	.09250	.07452
#1	5124.2	61195.	10713.	1752.3
#2	5109.4	61139.	10694.	1752.8
#3	5114.3	61030.	10705.	1750.4

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/13/2022 11:17:08 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**498.1**	**-.0004**	**-.0055**	**-.0098**	**-.0003**	**.0046**	**378.8**	**-.0001**
Stddev	.0003	.2	.0034	.0033	.0001	.0000	.0002	1.0	.0006
%RSD	10.84	.0329	809.4	59.25	.8654	2.603	4.577	.2701	461.6
#1	.0028	498.2	-.0027	-.0056	-.0097	-.0003	.0046	378.3	.0001
#2	.0025	498.2	-.0021	-.0022	-.0099	-.0003	.0044	380.0	.0003
#3	.0022	497.9	.0035	-.0088	-.0099	-.0003	.0048	378.3	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1643**	**-.0008**	**-.0030**	**.0004**	**212.1**	**.1340**	**-.0012**	**476.4**	**.0024**
Stddev	.0015	.0003	.0004	.0008	.5	.0181	.0004	.8	.0000
%RSD	.9313	35.87	13.51	197.0	.2262	13.48	32.41	.1593	1.142
#1	.1631	-.0009	-.0026	-.0005	211.6	.1185	-.0007	475.6	.0024
#2	.1637	-.0010	-.0034	.0006	212.0	.1298	-.0013	477.1	.0024
#3	.1660	-.0005	-.0029	.0011	212.6	.1538	-.0014	476.4	.0024
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**-.0331**	**-.0012**	**.0190**	**-.0024**	**-.0145**	**.0014**	**-.0005**	**-.0038**
Stddev	.0007	.0067	.0006	.0021	.0033	.0055	.0038	.0021	.0031
%RSD	44.97	20.30	53.14	10.99	138.7	37.73	276.9	405.6	81.60
#1	-.0022	-.0384	-.0018	.0214	-.0041	-.0082	-.0011	.0002	-.0073
#2	-.0008	-.0255	-.0005	.0175	-.0045	-.0182	-.0005	-.0028	-.0019
#3	-.0014	-.0353	-.0012	.0182	.0014	-.0171	.0058	.0011	-.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/13/2022 11:17:08 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0045**	**-.0013**	**-.0005**	**-.0035**	**.0002**	**.0064**	**.0035**	**-.0053**
Stddev	.0025	.0001	.0002	.0013	.0009	.0026	.0004	.0002
%RSD	55.87	4.794	40.21	38.56	548.3	41.07	10.87	4.365
#1	-.0023	-.0013	-.0005	-.0041	-.0004	.0078	.0039	-.0056
#2	-.0040	-.0012	-.0006	-.0044	-.0003	.0080	.0033	-.0051
#3	-.0072	-.0013	-.0003	-.0019	.0011	.0034	.0032	-.0053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4065.1**	**54199.**	**10411.**	**1563.5**
Stddev	3.5	17.	62.	2.8
%RSD	.08584	.03170	.59510	.18018
#1	4066.1	54201.	10462.	1562.6
#2	4068.0	54216.	10342.	1561.2
#3	4061.3	54182.	10428.	1566.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/13/2022 11:22:16 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9992**	**489.7**	**.9955**	**.4640**	**.4568**	**.4674**	**.4800**	**369.7**	**1.008**
Stddev	.0008	.9	.0035	.0027	.0006	.0010	.0021	.5	.002
%RSD	.0808	.1769	.3563	.5794	.1210	.2210	.4414	.1404	.2206
#1	.9984	490.7	.9924	.4636	.4574	.4680	.4776	370.3	1.007
#2	1.000	489.0	.9946	.4616	.4564	.4662	.4807	369.3	1.006
#3	.9992	489.6	.9994	.4669	.4565	.4680	.4816	369.5	1.010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6415**	**.4646**	**.4585**	**.5030**	**188.7**	**.1328**	**.5026**	**480.5**	**.4838**
Stddev	.0049	.0015	.0008	.0017	.2	.0217	.0008	.7	.0006
%RSD	.7652	.3312	.1680	.3346	.1270	16.31	.1685	.1383	.1240
#1	.6363	.4662	.4577	.5029	188.7	.1569	.5030	480.6	.4832
#2	.6423	.4631	.4585	.5047	188.4	.1151	.5016	479.8	.4844
#3	.6461	.4646	.4593	.5013	188.9	.1262	.5032	481.2	.4838
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4618**	**-.0199**	**.8983**	**.4353**	**.9133**	**.4374**	**1.016**	**.8956**	**.5935**
Stddev	.0009	.0022	.0026	.0029	.0036	.0104	.001	.0028	.0026
%RSD	.1888	10.99	.2931	.6565	.3950	2.371	.1402	.3115	.4464
#1	.4608	-.0224	.9011	.4384	.9175	.4374	1.015	.8966	.5905
#2	.4623	-.0191	.8979	.4327	.9111	.4478	1.017	.8925	.5955
#3	.4623	-.0183	.8959	.4349	.9113	.4270	1.016	.8978	.5945
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/13/2022 11:22:16 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4501**	**.4584**	**.4835**	**.8845**	**.4787**	**.4669**	**.9442**	**.4216**
Stddev	.0013	.0002	.0008	.0099	.0008	.0029	.0005	.0016
%RSD	.2895	.0511	.1750	1.116	.1581	.6201	.0531	.3891
#1	.4492	.4584	.4831	.8959	.4785	.4683	.9443	.4198
#2	.4495	.4581	.4830	.8788	.4795	.4635	.9437	.4219
#3	.4516	.4586	.4845	.8789	.4781	.4688	.9447	.4230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4070.7**	**54513.**	**10423.**	**1572.9**
Stddev	2.8	85.	22.	4.8
%RSD	.06806	.15504	.20827	.30747
#1	4067.5	54572.	10446.	1577.2
#2	4072.7	54551.	10419.	1574.0
#3	4071.8	54416.	10403.	1567.7

Zoom In Zoom Out

Sample Name: HSTD Acquired: 9/13/2022 11:27:09 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5842**	**.1707**	**7.709**	**8.400**	**8.264**	**8.447**	**7.882**	**-.1403**	**7.790**
Stddev	.0021	.0072	.010	.012	.110	.024	.017	.0053	.013
%RSD	.3665	4.196	.1264	.1375	1.335	.2842	.2119	3.811	.1650
#1	.5866	.1777	7.698	8.390	8.325	8.475	7.870	-.1407	7.776
#2	.5837	.1711	7.717	8.413	8.330	8.434	7.901	-.1454	7.801
#3	.5824	.1634	7.713	8.397	8.136	8.433	7.875	-.1347	7.793
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.807**	**8.215**	**8.452**	**8.208**	**.0265**	**.2043**	**7.974**	**-.2458**	**8.121**
Stddev	.015	.010	.002	.030	.0028	.0189	.015	.0273	.018
%RSD	.1924	.1191	.0285	.3663	10.44	9.249	.1823	11.10	.2175
#1	7.823	8.226	8.454	8.234	.0233	.1951	7.966	-.2476	8.141
#2	7.805	8.206	8.450	8.215	.0279	.1918	7.991	-.2722	8.111
#3	7.793	8.214	8.452	8.175	.0283	.2261	7.965	-.2177	8.110
Check ?	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.912**	**.1098**	**8.117**	**7.401**	**8.243**	**96.01**	**7.890**	**8.313**	**25.23**
Stddev	.008	.0060	.008	.025	.015	.05	.014	.006	.07
%RSD	.1028	5.483	.0972	.3377	.1828	.0563	.1782	.0757	.2580
#1	7.907	.1029	8.124	7.373	8.260	95.98	7.875	8.308	25.16
#2	7.922	.1131	8.108	7.416	8.237	96.08	7.903	8.310	25.29
#3	7.908	.1135	8.118	7.416	8.231	95.98	7.892	8.320	25.23
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 9/13/2022 11:27:09 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.062**	**8.133**	**7.757**	**8.480**	**8.305**	**7.947**	**8.543**	**7.670**
Stddev	.015	.147	.004	.044	.012	.010	.008	.012
%RSD	.1899	1.808	.0508	.5223	.1478	.1271	.0960	.1616
#1	8.053	8.298	7.760	8.532	8.313	7.938	8.551	7.681
#2	8.079	8.086	7.753	8.456	8.312	7.958	8.542	7.672
#3	8.053	8.016	7.758	8.454	8.291	7.945	8.535	7.656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4884.1**	**59850.**	**10518.**	**1689.1**
Stddev	3.1	95.	106.	3.3
%RSD	.06414	.15830	1.0049	.19676
#1	4882.8	59869.	10399.	1692.8
#2	4887.7	59934.	10554.	1686.5
#3	4881.9	59747.	10601.	1688.0

Zoom In Zoom Out

Sample Name: HSTD Acquired: 9/13/2022 11:32:19 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0188**	**300.0**	**.0013**	**.0044**	**-.0053**	**-.0001**	**.0031**	**201.9**	**-.0002**
Stddev	.0003	.3	.0037	.0008	.0002	.0001	.0003	.1	.0005
%RSD	1.656	.0958	293.6	17.06	3.450	106.5	8.406	.0538	279.8
#1	.0192	300.3	.0013	.0052	-.0055	-.0001	.0033	202.0	.0003
#2	.0188	299.7	-.0025	.0043	-.0051	-.0000	.0032	201.8	-.0003
#3	.0186	299.9	.0050	.0037	-.0052	-.0000	.0028	201.9	-.0006
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1291**	**-.0007**	**-.0017**	**.0010**	**197.0**	**204.6**	**.0052**	**302.4**	**.0024**
Stddev	.0013	.0003	.0006	.0003	.4	.3	.0008	.4	.0001
%RSD	.9864	46.69	35.07	31.71	.1786	.1380	15.24	.1180	3.965
#1	.1306	-.0004	-.0011	.0013	197.3	204.6	.0057	302.7	.0024
#2	.1284	-.0008	-.0022	.0010	196.6	204.3	.0057	302.0	.0025
#3	.1284	-.0011	-.0019	.0007	197.2	204.9	.0043	302.6	.0023
Check ?	None	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**199.1**	**-.0000**	**.0162**	**.0014**	**.0035**	**.0027**	**.0009**	**.0122**
Stddev	.0006	1.2	.0006	.0013	.0025	.0107	.0007	.0042	.0034
%RSD	100.8	.6034	2475.	7.757	172.4	307.5	27.15	453.5	28.24
#1	.0009	199.3	.0002	.0172	.0021	.0137	.0034	.0012	.0146
#2	-.0001	197.9	-.0006	.0148	.0035	-.0076	.0019	-.0034	.0137
#3	.0009	200.2	.0004	.0166	-.0013	.0043	.0028	.0050	.0082
Check ?	None	Chk Pass	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 9/13/2022 11:32:19 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0028**	**-.0004**	**.0002**	**.0011**	**.0004**	**.0035**	**.0125**	**-.0043**
Stddev	.0020	.0000	.0004	.0034	.0003	.0021	.0005	.0001
%RSD	72.93	9.827	192.0	300.5	57.40	61.62	3.772	3.378
#1	-.0046	-.0004	.0006	-.0005	.0007	.0059	.0119	-.0044
#2	-.0032	-.0003	.0000	.0050	.0002	.0017	.0128	-.0042
#3	-.0006	-.0004	-.0000	-.0012	.0004	.0028	.0127	-.0043
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4073.7**	**55143.**	**10286.**	**1580.1**
Stddev	9.8	44.	26.	6.5
%RSD	.24046	.07983	.25741	.40911
#1	4062.5	55181.	10306.	1575.0
#2	4080.9	55152.	10256.	1587.4
#3	4077.7	55095.	10297.	1578.0

Zoom In Zoom Out

Sample Name: mp35007-s1conf Acquired: 9/13/2022 11:37:36 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2353**	**24.80**	**1.938**	**1.923**	**1.906**	**1.938**	W **-.0181**	**25.03**
Stddev	.0008	.07	.003	.006	.003	.004	.0018	.09
%RSD	.3256	.2787	.1594	.3002	.1790	.1980	9.726	.3759
#1	.2360	24.84	1.942	1.926	1.906	1.939	-.0194	25.08
#2	.2354	24.85	1.936	1.916	1.909	1.941	-.0161	25.08
#3	.2345	24.73	1.938	1.926	1.902	1.934	-.0188	24.92

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.934**	**.1684**	**1.916**	**1.932**	**1.866**	**25.55**	**24.65**	**.0025**
Stddev	.008	.0016	.003	.002	.003	.07	.09	.0015
%RSD	.3936	.9624	.1323	.1166	.1757	.2861	.3447	59.58
#1	1.937	.1665	1.914	1.932	1.870	25.58	24.66	.0016
#2	1.925	.1694	1.916	1.934	1.863	25.60	24.73	.0016
#3	1.940	.1693	1.919	1.929	1.865	25.46	24.56	.0042

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.76**	**1.949**	**2.011**	**24.90**	**1.917**	**1.696**	**1.946**	F **-.1360**
Stddev	.04	.001	.007	.02	.001	.004	.003	.0047
%RSD	.1578	.0586	.3720	.0860	.0639	.2171	.1548	3.431
#1	24.73	1.948	2.015	24.90	1.915	1.694	1.944	-.1407
#2	24.80	1.949	2.002	24.92	1.917	1.694	1.949	-.1361
#3	24.74	1.950	2.016	24.88	1.918	1.701	1.944	-.1313

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.978**	**1.887**	**.1280**	**2.012**	**1.907**	**1.969**	**1.996**	**1.923**
Stddev	.003	.003	.0006	.005	.003	.002	.010	.001
%RSD	.1661	.1489	.4700	.2288	.1382	.0886	.4834	.0679
#1	1.981	1.890	.1277	2.014	1.910	1.969	2.006	1.922
#2	1.975	1.887	.1287	2.006	1.908	1.971	1.986	1.923
#3	1.976	1.884	.1276	2.015	1.905	1.967	1.996	1.924

Zoom In Zoom Out

Sample Name: mp35007-s1conf Acquired: 9/13/2022 11:37:36 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.962**	**1.948**	**1.956**
Stddev	.003	.007	.002
%RSD	.1568	.3813	.0823
#1	1.963	1.952	1.958
#2	1.959	1.940	1.956
#3	1.965	1.953	1.955

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4724.6**	**59678.**	**10760.**	**1707.0**
Stddev	5.8	10.	71.	3.3
%RSD	.12286	.01735	.65828	.19094
#1	4731.3	59674.	10773.	1706.8
#2	4721.7	59689.	10683.	1710.4
#3	4720.9	59670.	10823.	1703.9

Zoom In Zoom Out

Sample Name: jd51241-2conf Acquired: 9/13/2022 11:42:24 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**.2112**	**.0003**	**.0364**	**.3617**	**.0000**	**-.0018**	F **310.6**	**.0001**
Stddev	.0004	.0047	.0011	.0004	.0006	.0001	.0013	.9	.0001
%RSD	8.427	2.240	441.4	1.220	.1622	317.9	69.22	.2762	117.7
#1	.0052	.2067	.0005	.0359	.3624	.0001	-.0009	311.6	.0001
#2	.0047	.2161	.0013	.0368	.3613	.0000	-.0013	310.0	.0002
#3	.0044	.2107	-.0010	.0364	.3615	-.0001	-.0033	310.1	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0477**	**-.0003**	**1.142**	**.0059**	**.0995**	**51.41**	**.0186**	**4.767**	**.0072**
Stddev	.0028	.0004	.003	.0001	.0033	.14	.0009	.019	.0000
%RSD	5.785	139.3	.2809	1.423	3.301	.2817	4.657	.4056	.6564
#1	.0470	-.0001	1.145	.0060	.1022	51.55	.0196	4.754	.0072
#2	.0508	.0000	1.139	.0059	.0959	51.26	.0184	4.757	.0072
#3	.0454	-.0007	1.140	.0058	.1005	51.42	.0179	4.789	.0071

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1645**	**75.22**	**-.0008**	**.0214**	**.0007**	**29.51**	**.0011**	**-.0021**	**5.867**
Stddev	.0004	.20	.0003	.0018	.0016	.02	.0013	.0046	.022
%RSD	.2678	.2710	41.63	8.169	224.3	.0780	115.3	217.0	.3805
#1	.1650	75.41	-.0006	.0231	-.0005	29.51	.0024	-.0010	5.890
#2	.1644	75.00	-.0012	.0196	.0026	29.48	-.0002	-.0072	5.866
#3	.1641	75.25	-.0006	.0215	.0001	29.52	.0011	.0019	5.846

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0022**	**2.987**	**-.0001**	**.0023**	**.0080**	**.0166**	**.0033**	**.0007**
Stddev	.0011	.008	.0002	.0020	.0003	.0011	.0002	.0000
%RSD	48.51	.2616	122.4	86.64	3.485	6.654	5.792	6.242
#1	-.0029	2.994	-.0001	.0016	.0077	.0159	.0035	.0007
#2	-.0027	2.979	-.0003	.0007	.0081	.0179	.0031	.0008
#3	-.0010	2.987	.0000	.0045	.0082	.0161	.0033	.0008

Zoom In Zoom Out

Sample Name: jd51241-2conf Acquired: 9/13/2022 11:42:24 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4361.6**	**57194.**	**10428.**	**1596.1**
Stddev	2.3	140.	27.	6.4
%RSD	.05241	.24429	.25962	.40346
#1	4359.2	57043.	10400.	1589.9
#2	4361.8	57318.	10453.	1595.9
#3	4363.8	57223.	10431.	1602.7

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/13/2022 11:47:31 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2433**	**38.98**	**1.961**	**1.997**	**1.972**	**1.998**	**1.982**	**39.25**	**1.998**
Stddev	.0004	.19	.007	.004	.005	.004	.005	.21	.001
%RSD	.1587	.4847	.3409	.2027	.2709	.2245	.2397	.5415	.0628
#1	.2435	39.20	1.964	1.992	1.977	2.003	1.987	39.49	1.999
#2	.2435	38.86	1.966	2.000	1.966	1.994	1.983	39.12	1.999
#3	.2428	38.88	1.953	1.997	1.974	1.997	1.977	39.13	1.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**1.989**	**2.008**	**1.922**	**39.92**	**38.82**	**1.956**	**39.15**	**2.019**
Stddev	.007	.004	.004	.004	.13	.11	.006	.25	.001
%RSD	.3401	.1948	.1768	.2268	.3345	.2715	.3020	.6316	.0530
#1	2.008	1.993	2.004	1.923	40.05	38.90	1.962	39.43	2.018
#2	2.000	1.986	2.011	1.917	39.78	38.70	1.951	38.94	2.018
#3	2.013	1.988	2.008	1.926	39.92	38.86	1.953	39.09	2.020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.005**	**39.22**	**1.994**	**1.822**	**2.020**	**1.917**	**1.976**	**1.963**	**4.868**
Stddev	.005	.13	.000	.008	.001	.003	.000	.004	.004
%RSD	.2311	.3391	.0185	.4334	.0705	.1658	.0185	.1827	.0878
#1	2.009	39.30	1.994	1.815	2.021	1.921	1.976	1.966	4.871
#2	2.006	39.06	1.993	1.822	2.019	1.916	1.976	1.964	4.863
#3	2.000	39.28	1.993	1.831	2.020	1.915	1.976	1.959	4.869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/13/2022 11:47:31 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**1.976**	**1.995**	**1.976**	**1.987**	**2.006**	**2.019**	**1.985**
Stddev	.007	.005	.002	.033	.001	.003	.004	.003
%RSD	.3692	.2478	.0797	1.658	.0724	.1244	.2128	.1686
#1	2.014	1.980	1.994	2.010	1.988	2.003	2.019	1.988
#2	2.013	1.970	1.997	1.973	1.986	2.008	2.023	1.981
#3	2.001	1.977	1.995	1.945	1.986	2.005	2.014	1.986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4595.1**	**58373.**	**10480.**	**1689.3**
Stddev	6.3	100.	31.	2.4
%RSD	.13672	.17094	.30035	.14201
#1	4587.9	58392.	10444.	1688.3
#2	4597.9	58265.	10505.	1687.5
#3	4599.5	58462.	10489.	1692.0

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/13/2022 11:52:19 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0010**	**.0017**	**.0052**	**.0001**	**.0000**	**.0001**	**-.0014**	**-.0002**
Stddev	.0005	.0061	.0014	.0016	.0001	.0001	.0003	.0020	.0001
%RSD	183.1	627.7	83.50	31.08	118.8	280.2	226.6	141.6	85.28
#1	.0003	-.0064	.0021	.0057	.0002	.0001	.0002	-.0036	-.0003
#2	-.0007	-.0023	.0001	.0034	.0000	-.0000	-.0002	-.0008	-.0001
#3	-.0004	.0057	.0028	.0065	.0000	-.0000	.0004	.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**-.0000**	**-.0002**	**.0002**	**.0045**	**.0176**	**.0015**	**.0004**	**.0000**
Stddev	.0021	.0000	.0003	.0001	.0008	.0170	.0009	.0158	.0000
%RSD	155.0	153.4	171.3	37.78	17.63	96.65	57.06	3770.	339.9
#1	.0038	-.0001	.0001	.0002	.0036	.0160	.0023	.0107	-.0000
#2	-.0000	-.0000	-.0002	.0001	.0048	.0014	.0017	-.0178	.0000
#3	.0003	.0000	-.0004	.0002	.0051	.0353	.0006	.0083	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0156**	**.0001**	**.0097**	**-.0003**	**-.0013**	**.0002**	**-.0026**	**.0012**
Stddev	.0002	.0072	.0002	.0035	.0007	.0069	.0013	.0022	.0004
%RSD	23.59	46.04	140.3	35.89	238.5	517.9	593.8	86.92	37.29
#1	.0010	.0082	.0002	.0136	-.0007	.0053	.0008	-.0020	.0013
#2	.0006	.0225	.0002	.0081	-.0007	-.0009	.0012	-.0007	.0007
#3	.0007	.0160	-.0001	.0072	.0005	-.0085	-.0013	-.0050	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/13/2022 11:52:19 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**-.0003**	**-.0008**	**.0001**	**.0008**	**.0019**	**.0001**
Stddev	.0007	.0000	.0004	.0028	.0002	.0011	.0003	.0002
%RSD	1067.	186.9	178.8	340.3	303.3	131.8	14.52	147.5
#1	.0002	.0001	-.0006	-.0013	-.0001	-.0001	.0023	-.0001
#2	-.0007	.0000	.0003	-.0034	.0003	.0021	.0019	.0001
#3	.0007	-.0000	-.0004	.0022	.0000	.0005	.0017	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5022.9**	**60480.**	**10480.**	**1733.6**
Stddev	1.1	159.	29.	.9
%RSD	.02189	.26339	.27451	.04973
#1	5023.6	60451.	10506.	1733.5
#2	5023.4	60338.	10449.	1734.5
#3	5021.6	60652.	10484.	1732.7

Zoom In Zoom Out

Sample Name: p1conf Acquired: 9/13/2022 11:57:30 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0096**	**.0029**	**.0035**	**.0001**	**.0000**	**.0012**	**-.0049**	**-.0001**
Stddev	.0005	.0073	.0009	.0006	.0002	.0001	.0018	.0011	.0002
%RSD	143.5	76.23	32.74	16.89	140.0	211.0	153.7	22.72	165.4
#1	-.0010	-.0017	.0038	.0033	.0003	.0000	.0030	-.0037	.0001
#2	-.0002	-.0161	.0029	.0030	-.0001	.0001	-.0007	-.0058	-.0003
#3	.0000	-.0111	.0019	.0041	.0002	-.0000	.0013	-.0052	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**.0004**	**.0000**	**.0000**	**.0001**	**.0051**	**.0005**	**.0035**	**-.0000**
Stddev	.0038	.0002	.0004	.0004	.0006	.0024	.0016	.0303	.0000
%RSD	178.5	55.29	3055.	1385.	432.3	46.44	309.4	870.9	119.3
#1	.0064	.0001	-.0001	.0004	.0008	.0078	-.0001	-.0313	-.0001
#2	-.0010	.0005	-.0003	-.0004	-.0003	.0039	-.0007	.0178	.0000
#3	.0010	.0004	.0004	.0000	-.0001	.0035	.0023	.0239	-.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0183**	**.0006**	**.0089**	**.0001**	**-.0020**	**-.0009**	**-.0033**	**-.0025**
Stddev	.0005	.0071	.0002	.0017	.0014	.0044	.0025	.0032	.0011
%RSD	314.7	38.59	42.68	18.98	1611.	221.5	285.5	96.72	45.61
#1	-.0008	-.0108	.0004	.0074	.0005	-.0061	.0007	-.0063	-.0021
#2	.0002	-.0193	.0004	.0107	-.0014	.0027	.0004	-.0036	-.0016
#3	.0001	-.0248	.0008	.0085	.0012	-.0026	-.0038	.0001	-.0038

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**.0000**	**-.0001**	**-.0006**	**-.0001**	**.0002**	**-.0002**	**-.0004**
Stddev	.0019	.0001	.0004	.0017	.0002	.0011	.0002	.0003
%RSD	118.6	844.8	511.0	270.4	276.4	459.7	142.3	68.51
#1	-.0010	-.0001	.0002	-.0011	.0001	.0014	.0001	-.0004
#2	-.0001	-.0000	.0001	-.0020	-.0002	-.0007	-.0004	-.0001
#3	-.0037	.0001	-.0006	.0012	-.0000	.0000	-.0001	-.0006

Zoom In Zoom Out

Sample Name: p1conf Acquired: 9/13/2022 11:57:30 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5139.4**	**60986.**	**10675.**	**1759.4**
Stddev	2.7	111.	83.	4.5
%RSD	.05229	.18181	.78022	.25555
#1	5141.0	61085.	10753.	1764.3
#2	5140.8	61006.	10587.	1758.7
#3	5136.3	60866.	10685.	1755.3

Zoom In Zoom Out

Sample Name: p2conf Acquired: 9/13/2022 12:02:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0051**	**.0026**	**.0025**	**.0001**	**.0001**	**.0003**	**-.0025**	**-.0005**
Stddev	.0000	.0074	.0014	.0008	.0001	.0001	.0012	.0030	.0002
%RSD	9.488	146.4	53.61	32.46	152.1	121.0	350.5	118.5	40.05
#1	-.0006	.0024	.0036	.0020	.0000	-.0000	-.0007	.0009	-.0003
#2	-.0005	-.0052	.0033	.0035	.0002	.0001	.0001	-.0036	-.0007
#3	-.0005	-.0124	.0010	.0021	-.0000	.0001	.0016	-.0049	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0001**	**-.0004**	**.0003**	**.0013**	**-.0027**	**.0006**	**.0180**	**-.0000**
Stddev	.0016	.0001	.0004	.0003	.0004	.0232	.0006	.0242	.0000
%RSD	182.9	76.56	90.22	83.19	27.48	849.4	111.5	134.9	74.54
#1	.0013	.0002	-.0004	.0006	.0009	-.0002	.0000	-.0091	-.0001
#2	-.0009	.0000	-.0009	.0002	.0016	-.0271	.0004	.0255	-.0001
#3	.0022	.0002	-.0001	.0001	.0014	.0191	.0013	.0375	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0235**	**.0007**	**.0098**	**.0011**	**-.0015**	**.0005**	**-.0032**	**-.0038**
Stddev	.0005	.0025	.0001	.0032	.0005	.0056	.0016	.0005	.0009
%RSD	115.0	10.64	19.37	32.11	42.52	368.5	305.6	15.57	24.02
#1	-.0005	-.0207	.0007	.0063	.0008	-.0077	-.0008	-.0034	-.0036
#2	.0001	-.0242	.0006	.0108	.0016	.0000	.0001	-.0027	-.0047
#3	-.0009	-.0256	.0009	.0124	.0008	.0031	.0022	-.0037	-.0030

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0030**	**.0000**	**.0001**	**.0019**	**.0001**	**-.0002**	**-.0006**	**-.0004**
Stddev	.0013	.0000	.0003	.0003	.0001	.0005	.0002	.0000
%RSD	43.57	876.2	197.2	13.43	120.6	199.8	28.68	5.243
#1	-.0024	.0000	.0005	.0019	.0003	-.0008	-.0005	-.0003
#2	-.0045	-.0000	-.0000	.0022	.0001	-.0001	-.0008	-.0004
#3	-.0021	.0000	-.0000	.0017	.0000	.0001	-.0006	-.0004

Zoom In Zoom Out

Sample Name: p2conf Acquired: 9/13/2022 12:02:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5122.3**	**60963.**	**10691.**	**1749.2**
Stddev	6.6	236.	36.	4.1
%RSD	.12798	.38742	.33240	.23227
#1	5118.0	61223.	10731.	1744.7
#2	5119.1	60903.	10665.	1750.4
#3	5129.9	60762.	10676.	1752.6

Zoom In Zoom Out

Sample Name: crid Acquired: 9/13/2022 12:10:36 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0005**	**.0907**	**.0035**	F **.0024**	**.0040**	**.0010**	F **-.0004**	**1.029**
Stddev	.0006	.0012	.0011	.0004	.0001	.0000	.0016	.009
%RSD	115.9	1.366	30.49	15.11	2.509	3.262	431.0	.8582
#1	-.0012	.0905	.0025	.0021	.0040	.0010	-.0022	1.038
#2	-.0002	.0921	.0035	.0024	.0040	.0010	.0003	1.021
#3	-.0001	.0897	.0046	.0028	.0039	.0009	.0008	1.029
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	.0020			.0100			.0040	
Range	-30.00%			-30.00%			-30.00%	

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0004**	**.0028**	**.0020**	F **-.0001**	**.0012**	**1.981**	F **.0015**
Stddev	.0003	.0040	.0003	.0003	.0003	.0012	.024	.0012
%RSD	22.88	1144.	10.92	17.39	352.3	102.0	1.223	78.61
#1	.0012	-.0040	.0025	.0019	.0003	.0010	2.005	.0010
#2	.0014	.0040	.0029	.0024	-.0004	.0025	1.956	.0029
#3	.0009	.0011	.0030	.0017	-.0001	.0001	1.981	.0007
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail
Value					.0020			.0040
Range					-30.00%			-30.00%

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1076**	**.0030**	**.0002**	**.9863**	**.0038**	F **.0087**	F **-.0010**	F **-.0054**
Stddev	.0423	.0000	.0002	.0060	.0002	.0032	.0004	.0021
%RSD	39.36	.2138	81.14	.6114	6.437	36.95	39.82	38.62
#1	.0837	.0030	.0000	.9901	.0036	.0057	-.0015	-.0059
#2	.0826	.0030	.0003	.9794	.0037	.0083	-.0007	-.0031
#3	.1564	.0030	.0003	.9896	.0041	.0121	-.0010	-.0072
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0025	.0040
Range						30.00%	-30.00%	-30.00%

Zoom In Zoom Out

Sample Name: crid Acquired: 9/13/2022 12:10:36 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0012**	F **.0033**	**-.0017**	**-.0015**	**-.0000**	**-.0001**	**.0019**	**.0023**
Stddev	.0023	.0019	.0005	.0006	.0000	.0002	.0016	.0002
%RSD	196.3	56.23	32.12	40.32	1426.	253.9	85.49	8.392
#1	-.0019	.0031	-.0018	-.0008	.0000	.0000	.0033	.0021
#2	.0014	.0016	-.0011	-.0020	-.0000	.0001	.0023	.0023
#3	-.0031	.0053	-.0022	-.0016	.0000	-.0004	.0001	.0024
Check ?	Chk Fail	Chk Fail	None	None	None	None	Chk Pass	Chk Pass
Value	.0030	.0050						
Range	-30.00%	-30.00%						

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	F **-.0001**	**.0096**	F **-.0000**
Stddev	.0008	.0001	.0002
%RSD	588.9	1.557	3268.
#1	.0008	.0097	-.0002
#2	-.0008	.0096	.0002
#3	-.0003	.0095	-.0000
Check ?	Chk Fail	Chk Pass	Chk Fail
Value	.0040		.0040
Range	-30.00%		-30.00%

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5001.0**	**60166.**	**10514.**	**1724.6**
Stddev	3.1	208.	51.	2.0
%RSD	.06241	.34576	.48270	.11499
#1	4997.5	60105.	10475.	1723.5
#2	5003.1	59996.	10571.	1726.9
#3	5002.6	60398.	10495.	1723.5

Zoom In Zoom Out

Sample Name: mp35013-mb1 1 Acquired: 9/13/2022 12:15:47 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0048**	**.0021**	**.0018**	**.0002**	**.0001**	**-.0005**	**.0132**	**-.0004**
Stddev	.0004	.0036	.0008	.0006	.0001	.0000	.0012	.0013	.0002
%RSD	88.90	74.79	38.12	31.23	50.49	18.59	267.2	9.930	66.59
#1	.0000	-.0016	.0028	.0018	.0001	.0001	.0004	.0143	-.0001
#2	-.0006	-.0087	.0022	.0012	.0003	.0001	-.0019	.0135	-.0006
#3	-.0007	-.0042	.0012	.0023	.0001	.0000	.0001	.0117	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0001**	**.0031**	**.0003**	**.0232**	**.0163**	**.0003**	**.0175**	**.0003**
Stddev	.0026	.0003	.0002	.0004	.0030	.0137	.0011	.0203	.0000
%RSD	513.6	270.1	5.872	130.9	12.69	84.02	341.9	115.9	13.96
#1	.0035	-.0003	.0030	.0006	.0251	.0052	-.0009	-.0000	.0004
#2	-.0004	.0004	.0033	.0006	.0198	.0121	.0010	.0129	.0003
#3	-.0015	.0002	.0030	-.0002	.0247	.0317	.0009	.0397	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0124**	**.0009**	**.0112**	**-.0009**	**.0011**	**-.0009**	**-.0015**	**.0053**
Stddev	.0001	.0044	.0003	.0022	.0021	.0059	.0006	.0019	.0010
%RSD	81.01	35.64	28.53	19.99	234.9	543.9	73.75	126.4	17.99
#1	-.0004	-.0081	.0010	.0087	-.0014	-.0057	-.0015	.0001	.0045
#2	-.0001	-.0121	.0006	.0121	-.0027	.0040	-.0010	-.0011	.0051
#3	-.0001	-.0169	.0011	.0129	.0014	.0051	-.0002	-.0035	.0064

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0022**	**.0001**	**-.0004**	**.0004**	**.0003**	**-.0005**	**.0002**	**-.0004**
Stddev	.0011	.0001	.0002	.0008	.0001	.0002	.0003	.0002
%RSD	49.64	75.33	52.63	198.8	43.68	34.39	110.0	51.52
#1	-.0014	.0001	-.0002	.0012	.0004	-.0006	.0005	-.0002
#2	-.0035	.0001	-.0004	.0005	.0001	-.0003	.0003	-.0004
#3	-.0017	.0000	-.0006	-.0004	.0003	-.0007	-.0001	-.0007

Zoom In Zoom Out

Sample Name: mp35013-mb1 1 Acquired: 9/13/2022 12:15:47 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5129.7**	**60990.**	**10733.**	**1755.6**
Stddev	3.0	28.	25.	1.6
%RSD	.05883	.04522	.23339	.09027
#1	5132.5	60958.	10746.	1755.6
#2	5130.1	61009.	10748.	1757.1
#3	5126.5	61003.	10704.	1754.0

Zoom In Zoom Out

Sample Name: mp35046-mb1conf Acquired: 9/13/2022 12:20:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0056**	**.0024**	**.0015**	**.0007**	**-.0000**	**.0006**	**.0065**	**-.0001**
Stddev	.0002	.0042	.0006	.0010	.0001	.0001	.0005	.0010	.0001
%RSD	16.08	75.40	25.08	62.71	13.35	984.5	99.10	15.79	81.69
#1	-.0008	-.0013	.0027	.0026	.0007	-.0001	.0012	.0077	-.0000
#2	-.0010	-.0058	.0029	.0007	.0006	-.0000	.0001	.0061	-.0001
#3	-.0011	-.0097	.0017	.0014	.0008	.0001	.0004	.0058	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0002**	**-.0002**	**.0006**	**.8905**	**-.0119**	**.0000**	**.0150**	**.0023**
Stddev	.0014	.0002	.0002	.0003	.0026	.0202	.0002	.0106	.0000
%RSD	96.52	136.2	140.0	61.35	.2906	169.1	524.5	70.44	.4802
#1	.0009	.0004	-.0000	.0004	.8884	-.0202	-.0002	.0030	.0022
#2	.0030	.0001	-.0001	.0003	.8934	.0111	.0002	.0227	.0023
#3	.0004	.0000	-.0004	.0009	.8899	-.0267	.0002	.0194	.0023

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0099**	**.0006**	**.0089**	**-.0009**	**.0024**	**-.0012**	**-.0030**	**.0121**
Stddev	.0002	.0019	.0005	.0030	.0018	.0037	.0004	.0043	.0008
%RSD	44.48	19.55	72.09	34.10	205.2	150.1	30.55	141.5	6.906
#1	-.0003	-.0104	.0001	.0054	.0008	-.0018	-.0008	-.0047	.0115
#2	-.0005	-.0115	.0011	.0105	-.0029	.0049	-.0014	-.0063	.0131
#3	-.0008	-.0077	.0007	.0108	-.0006	.0042	-.0013	.0018	.0118

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0001**	**-.0000**	**.0000**	**.0004**	**.0003**	**.0218**	**-.0002**
Stddev	.0008	.0001	.0007	.0015	.0003	.0008	.0003	.0002
%RSD	114.0	129.2	6948.	14440.	69.85	280.1	1.167	97.14
#1	-.0006	.0002	.0006	.0004	.0001	-.0006	.0216	.0000
#2	.0000	.0001	.0001	.0013	.0004	.0009	.0218	-.0004
#3	-.0015	-.0000	-.0008	-.0016	.0007	.0005	.0221	-.0003

Zoom In Zoom Out

Sample Name: mp35046-mb1conf Acquired: 9/13/2022 12:20:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5107.6**	**60932.**	**10699.**	**1746.1**
Stddev	6.5	20.	64.	4.5
%RSD	.12636	.03207	.60204	.25952
#1	5111.7	60952.	10761.	1751.2
#2	5111.0	60933.	10633.	1745.0
#3	5100.2	60912.	10702.	1742.3

Zoom In Zoom Out

Sample Name: mp35013-b1 Acquired: 9/13/2022 12:26:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0830**	**26.72**	**2.129**	**2.148**	**2.002**	**2.020**	W **-.0179**	**26.82**
Stddev	.0009	.05	.004	.001	.003	.004	.0005	.06
%RSD	1.052	.1775	.1987	.0314	.1561	.1977	2.779	.2124
#1	.0832	26.76	2.129	2.148	2.003	2.020	-.0173	26.88
#2	.0838	26.74	2.133	2.148	2.005	2.023	-.0181	26.81
#3	.0821	26.67	2.124	2.147	1.999	2.015	-.0183	26.77

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.124**	**.1802**	**2.046**	**2.058**	**1.973**	**27.33**	**26.45**	**-.0003**
Stddev	.004	.0037	.003	.003	.002	.04	.06	.0006
%RSD	.1778	2.076	.1648	.1675	.0791	.1508	.2218	239.2
#1	2.128	.1772	2.043	2.061	1.971	27.37	26.43	-.0003
#2	2.123	.1790	2.050	2.056	1.974	27.34	26.52	-.0009
#3	2.121	.1843	2.047	2.055	1.973	27.29	26.40	.0004

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.58**	**2.083**	**2.106**	**26.79**	**2.050**	**1.929**	**2.114**	F **-.1360**
Stddev	.05	.004	.003	.04	.003	.011	.004	.0062
%RSD	.1753	.1804	.1431	.1582	.1539	.5576	.2099	4.596
#1	26.63	2.087	2.109	26.80	2.050	1.938	2.119	-.1380
#2	26.58	2.082	2.107	26.83	2.052	1.917	2.110	-.1290
#3	26.53	2.080	2.103	26.75	2.046	1.933	2.115	-.1410

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.178**	**2.213**	**.1110**	**2.169**	**2.000**	**2.068**	**2.211**	**2.043**
Stddev	.005	.007	.0013	.003	.003	.003	.003	.003
%RSD	.2440	.3248	1.178	.1433	.1387	.1466	.1286	.1531
#1	2.184	2.211	.1100	2.168	2.000	2.070	2.215	2.046
#2	2.178	2.207	.1125	2.167	2.003	2.070	2.209	2.043
#3	2.174	2.221	.1104	2.173	1.998	2.065	2.210	2.040

Zoom In Zoom Out

Sample Name: mp35013-b1 Acquired: 9/13/2022 12:26:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**2.030**	**2.126**	**2.058**
Stddev	.001	.007	.004
%RSD	.0467	.3225	.1897
#1	2.030	2.130	2.062
#2	2.029	2.130	2.057
#3	2.031	2.118	2.054

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4720.0**	**58921.**	**10716.**	**1701.9**
Stddev	.7	20.	8.	2.9
%RSD	.01475	.03313	.07630	.16949
#1	4720.0	58907.	10725.	1698.7
#2	4719.3	58943.	10710.	1702.9
#3	4720.7	58913.	10714.	1704.2

Zoom In Zoom Out

Sample Name: mp35013-s1 Acquired: 9/13/2022 12:30:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0841**	**27.78**	**2.085**	**2.118**	**1.954**	**1.950**	W **-.0162**	**52.31**
Stddev	.0004	.03	.012	.011	.003	.003	.0015	.14
%RSD	.4939	.1006	.5723	.5190	.1667	.1757	9.495	.2595
#1	.0836	27.79	2.072	2.105	1.953	1.946	-.0168	52.24
#2	.0845	27.80	2.089	2.122	1.952	1.953	-.0145	52.46
#3	.0840	27.75	2.095	2.126	1.958	1.952	-.0174	52.21

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**.1865**	**1.980**	**1.971**	**1.943**	**27.35**	**30.50**	**.0020**
Stddev	.002	.0009	.001	.006	.003	.05	.11	.0010
%RSD	.0741	.4849	.0392	.3154	.1568	.1960	.3600	49.84
#1	2.059	.1863	1.980	1.978	1.943	27.32	30.40	.0026
#2	2.059	.1858	1.980	1.969	1.940	27.41	30.47	.0024
#3	2.062	.1875	1.981	1.965	1.946	27.32	30.62	.0008

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.32**	**2.078**	**2.028**	**34.00**	**1.981**	**1.995**	**2.043**	**21.27**
Stddev	.06	.002	.004	.08	.000	.005	.005	.05
%RSD	.2005	.1011	.2209	.2332	.0157	.2651	.2378	.2190
#1	31.30	2.075	2.024	33.94	1.981	2.000	2.048	21.22
#2	31.40	2.078	2.026	33.96	1.982	1.996	2.043	21.29
#3	31.28	2.080	2.033	34.09	1.981	1.990	2.039	21.31

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.128**	**2.146**	**5.082**	**2.083**	**2.019**	**2.051**	**2.124**	**1.970**
Stddev	.002	.009	.015	.003	.004	.003	.021	.003
%RSD	.1063	.4175	.2851	.1302	.2233	.1206	.9929	.1623
#1	2.126	2.137	5.078	2.080	2.016	2.052	2.102	1.966
#2	2.129	2.146	5.069	2.084	2.017	2.053	2.127	1.972
#3	2.130	2.154	5.098	2.084	2.024	2.048	2.143	1.972

Zoom In Zoom Out

Sample Name: mp35013-s1 Acquired: 9/13/2022 12:30:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.931**	**2.021**	**2.005**
Stddev	.003	.003	.002
%RSD	.1555	.1671	.1174
#1	1.928	2.025	2.004
#2	1.934	2.021	2.004
#3	1.931	2.018	2.008

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4647.4**	**58807.**	**10906.**	**1695.7**
Stddev	.7	53.	32.	1.5
%RSD	.01568	.09034	.29301	.09087
#1	4648.2	58813.	10934.	1696.9
#2	4647.2	58857.	10872.	1696.2
#3	4646.7	58752.	10913.	1694.0

Zoom In Zoom Out

Sample Name: mp35013-s2 Acquired: 9/13/2022 12:35:36 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0805**	**27.46**	**2.054**	**2.072**	**1.918**	**1.911**	W **-.0161**	**51.61**
Stddev	.0004	.06	.001	.003	.002	.003	.0014	.15
%RSD	.5537	.2158	.0280	.1244	.1181	.1436	8.985	.2963
#1	.0800	27.47	2.053	2.073	1.916	1.908	-.0173	51.70
#2	.0806	27.40	2.054	2.069	1.920	1.913	-.0145	51.43
#3	.0808	27.52	2.054	2.074	1.918	1.912	-.0165	51.69

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.011**	**.1843**	**1.938**	**1.930**	**1.902**	**26.99**	**30.14**	**.0010**
Stddev	.003	.0005	.002	.003	.003	.03	.05	.0002
%RSD	.1594	.2937	.0752	.1442	.1327	.1156	.1756	19.01
#1	2.010	.1837	1.939	1.932	1.899	27.01	30.08	.0011
#2	2.009	.1846	1.938	1.927	1.904	26.96	30.16	.0008
#3	2.015	.1847	1.936	1.930	1.902	27.01	30.18	.0011

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.99**	**2.030**	**1.997**	**33.67**	**1.939**	**1.947**	**2.002**	**21.02**
Stddev	.03	.002	.004	.06	.001	.007	.005	.04
%RSD	.1085	.0971	.1908	.1859	.0641	.3551	.2313	.1709
#1	31.02	2.032	1.995	33.60	1.937	1.944	2.005	21.02
#2	30.98	2.028	1.994	33.69	1.939	1.942	1.997	20.98
#3	30.95	2.030	2.001	33.72	1.940	1.955	2.004	21.05

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.100**	**2.111**	**4.969**	**2.058**	**1.982**	**2.021**	**2.079**	**1.928**
Stddev	.006	.007	.005	.007	.004	.000	.011	.002
%RSD	.2783	.3466	.1103	.3361	.2018	.0124	.5468	.0888
#1	2.099	2.103	4.972	2.054	1.978	2.020	2.066	1.929
#2	2.095	2.114	4.973	2.054	1.986	2.021	2.088	1.926
#3	2.107	2.117	4.963	2.066	1.984	2.021	2.083	1.928

Zoom In Zoom Out

Sample Name: mp35013-s2 Acquired: 9/13/2022 12:35:36 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.910**	**1.977**	**1.980**
Stddev	.004	.006	.001
%RSD	.2190	.3236	.0628
#1	1.905	1.974	1.979
#2	1.911	1.973	1.980
#3	1.914	1.984	1.981

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4652.5**	**58982.**	**10908.**	**1697.8**
Stddev	.9	40.	59.	2.6
%RSD	.01895	.06851	.53659	.15311
#1	4653.2	58941.	10867.	1698.6
#2	4652.7	59022.	10975.	1699.8
#3	4651.5	58981.	10881.	1694.8

Zoom In Zoom Out

Sample Name: jd51249-3 Acquired: 9/13/2022 12:40:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**1.145**	**.0037**	**.0444**	**.0264**	**.0003**	**-.0007**	**28.75**	**.0000**
Stddev	.0004	.007	.0012	.0011	.0002	.0000	.0006	.05	.0004
%RSD	147.1	.5975	33.25	2.381	.7739	1.494	83.52	.1735	12560.
#1	.0002	1.147	.0026	.0453	.0264	.0003	-.0005	28.78	-.0004
#2	-.0004	1.150	.0050	.0432	.0266	.0003	-.0013	28.79	-.0000
#3	-.0005	1.137	.0034	.0448	.0262	.0003	-.0003	28.69	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0173**	**.0014**	**.0016**	**.0100**	**1.156**	**5.205**	**.0000**	**6.377**	**.0818**
Stddev	.0008	.0003	.0004	.0003	.008	.016	.0006	.005	.0000
%RSD	4.350	22.59	24.69	2.918	.6637	.3083	1566.	.0764	.0503
#1	.0175	.0016	.0012	.0100	1.155	5.197	-.0006	6.382	.0817
#2	.0180	.0015	.0017	.0104	1.165	5.195	.0002	6.372	.0818
#3	.0165	.0010	.0019	.0098	1.150	5.224	.0005	6.377	.0818

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**8.530**	**.0023**	**.1311**	**.0006**	**23.18**	**.0005**	**-.0007**	**3.898**
Stddev	.0003	.022	.0002	.0017	.0008	.06	.0008	.0017	.003
%RSD	13.65	.2575	7.061	1.306	138.3	.2748	179.3	249.5	.0692
#1	.0029	8.552	.0023	.1301	-.0001	23.24	-.0001	.0012	3.897
#2	.0022	8.531	.0021	.1331	.0015	23.17	.0014	-.0023	3.895
#3	.0025	8.508	.0024	.1301	.0004	23.12	.0001	-.0010	3.900

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0992**	**.0294**	**.0022**	**.0032**	**.0079**	**.0226**	**.0008**
Stddev	.0005	.0004	.0003	.0011	.0002	.0001	.0002	.0001
%RSD	29.79	.3860	.8990	52.84	5.818	1.735	.8707	12.24
#1	-.0019	.0996	.0294	.0033	.0030	.0081	.0226	.0007
#2	-.0017	.0991	.0291	.0011	.0033	.0080	.0227	.0008
#3	-.0010	.0988	.0296	.0021	.0033	.0078	.0224	.0009

Zoom In Zoom Out

Sample Name: jd51249-3 Acquired: 9/13/2022 12:40:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4917.7**	**60285.**	**10876.**	**1708.1**
Stddev	6.5	109.	36.	2.9
%RSD	.13243	.18142	.33554	.16807
#1	4910.7	60321.	10844.	1705.1
#2	4918.6	60371.	10867.	1708.2
#3	4923.6	60162.	10916.	1710.9

Zoom In Zoom Out

Sample Name: mp35013-sd1 Acquired: 9/13/2022 12:45:25 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0022**	**1.394**	**.0026**	**.0541**	**.0253**	**.0005**	**-.0080**	**28.11**	**.0012**
Stddev	.0021	.021	.0034	.0053	.0008	.0003	.0075	.07	.0016
%RSD	93.53	1.472	132.3	9.876	3.129	74.78	93.29	.2394	134.7
#1	-.0003	1.385	.0065	.0540	.0258	.0005	-.0066	28.03	.0014
#2	-.0020	1.418	.0002	.0596	.0244	.0001	-.0160	28.13	.0026
#3	-.0044	1.381	.0010	.0489	.0257	.0008	-.0013	28.16	-.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0199**	**.0014**	**.0002**	**.0086**	**1.140**	**4.880**	**.0060**	**6.273**	**.0794**
Stddev	.0084	.0011	.0007	.0013	.010	.172	.0008	.043	.0004
%RSD	41.89	77.87	439.7	15.58	.9098	3.529	12.68	.6842	.4532
#1	.0257	.0025	-.0004	.0101	1.145	5.043	.0051	6.230	.0795
#2	.0238	.0004	.0009	.0081	1.148	4.898	.0064	6.316	.0797
#3	.0104	.0012	-.0000	.0075	1.128	4.700	.0065	6.274	.0790

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**8.126**	**.0017**	**.1487**	**-.0014**	**20.52**	**.0070**	**-.0121**	**3.575**
Stddev	.0011	.059	.0022	.0043	.0085	.04	.0032	.0091	.006
%RSD	23.40	.7292	130.0	2.918	592.3	.1759	45.56	75.58	.1674
#1	.0038	8.178	-.0007	.1512	.0078	20.54	.0102	-.0020	3.581
#2	.0059	8.061	.0021	.1513	-.0087	20.54	.0039	-.0199	3.576
#3	.0045	8.137	.0038	.1437	-.0034	20.48	.0068	-.0143	3.569

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0070**	**.0956**	**.0277**	**-.0042**	**.0033**	**.0203**	**.0269**	**.0025**
Stddev	.0029	.0004	.0023	.0169	.0010	.0077	.0019	.0009
%RSD	41.05	.4672	8.288	402.7	28.92	38.04	7.118	35.46
#1	-.0046	.0958	.0257	.0086	.0042	.0271	.0250	.0018
#2	-.0102	.0959	.0272	.0022	.0023	.0119	.0289	.0036
#3	-.0062	.0951	.0302	-.0234	.0034	.0217	.0269	.0022

Zoom In Zoom Out

Sample Name: mp35013-sd1 Acquired: 9/13/2022 12:45:25 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4951.1**	**59824.**	**10590.**	**1708.1**
Stddev	3.0	58.	22.	2.1
%RSD	.06123	.09728	.20508	.12563
#1	4948.6	59884.	10580.	1709.6
#2	4954.5	59767.	10575.	1705.7
#3	4950.3	59820.	10615.	1709.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 12:50:34 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2424**	**38.60**	**1.970**	**2.003**	**1.950**	**1.981**	**1.991**	**38.80**	**1.989**
Stddev	.0013	.06	.004	.001	.002	.003	.004	.05	.002
%RSD	.5377	.1560	.2124	.0718	.0951	.1473	.2175	.1260	.1143
#1	.2430	38.66	1.966	2.003	1.950	1.984	1.986	38.86	1.986
#2	.2409	38.54	1.974	2.005	1.948	1.979	1.992	38.78	1.989
#3	.2433	38.59	1.968	2.002	1.952	1.980	1.994	38.77	1.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.003**	**1.990**	**1.989**	**1.916**	**39.49**	**38.24**	**1.953**	**38.39**	**2.009**
Stddev	.002	.003	.004	.002	.01	.05	.004	.03	.004
%RSD	.1217	.1666	.1894	.0929	.0266	.1377	.1957	.0757	.1746
#1	2.000	1.987	1.989	1.918	39.50	38.24	1.954	38.36	2.010
#2	2.005	1.993	1.986	1.915	39.50	38.19	1.949	38.38	2.005
#3	2.004	1.992	1.993	1.916	39.48	38.30	1.957	38.42	2.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**38.66**	**1.988**	F **1.790**	**2.017**	**1.913**	**1.990**	**1.976**	**4.881**
Stddev	.004	.03	.003	.001	.003	.010	.001	.003	.023
%RSD	.1724	.0755	.1535	.0516	.1477	.5152	.0397	.1470	.4734
#1	2.010	38.69	1.985	1.789	2.013	1.916	1.991	1.978	4.869
#2	2.013	38.64	1.991	1.790	2.019	1.903	1.989	1.976	4.866
#3	2.017	38.66	1.988	1.791	2.018	1.922	1.990	1.973	4.908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				-10.00%					

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 12:50:34 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**1.948**	**1.983**	**2.076**	**1.985**	**2.008**	**2.016**	**1.983**
Stddev	.004	.004	.003	.007	.004	.008	.005	.003
%RSD	.1716	.1796	.1315	.3351	.1846	.4138	.2423	.1588
#1	2.014	1.948	1.981	2.077	1.987	2.001	2.011	1.986
#2	2.020	1.945	1.981	2.083	1.981	2.005	2.017	1.980
#3	2.020	1.952	1.986	2.069	1.986	2.017	2.020	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4555.9**	**58170.**	**10503.**	**1677.7**
Stddev	7.4	258.	12.	1.6
%RSD	.16152	.44311	.11485	.09819
#1	4558.7	58151.	10494.	1679.2
#2	4547.6	58437.	10499.	1675.9
#3	4561.5	57922.	10517.	1677.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 12:55:23 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**.0001**	**.0001**	**.0044**	**-.0001**	**.0001**	**.0007**	**.0011**	**.0000**
Stddev	.0006	.0072	.0009	.0009	.0001	.0001	.0011	.0036	.0003
%RSD	54.20	5676.	1685.	20.41	197.1	114.6	154.3	332.0	3200.
#1	-.0011	-.0076	.0005	.0039	-.0000	.0001	.0019	.0030	-.0000
#2	-.0006	.0065	-.0010	.0054	.0000	.0001	.0006	.0033	.0003
#3	-.0018	.0015	.0006	.0038	-.0002	-.0000	-.0003	-.0031	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0001**	**-.0003**	**-.0007**	**.0051**	**.0160**	**.0029**	**.0188**	**.0001**
Stddev	.0026	.0002	.0003	.0002	.0011	.0318	.0006	.0226	.0000
%RSD	543.7	223.0	104.4	29.33	22.30	198.8	21.18	120.5	76.17
#1	-.0034	.0001	-.0003	-.0008	.0052	.0189	.0035	.0448	.0001
#2	.0010	-.0004	-.0006	-.0008	.0061	.0463	.0023	.0060	.0000
#3	.0010	-.0000	.0000	-.0004	.0039	-.0171	.0029	.0054	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0078**	**.0001**	**.0073**	**-.0000**	**-.0032**	**.0010**	**-.0021**	**.0012**
Stddev	.0002	.0065	.0003	.0014	.0008	.0089	.0015	.0021	.0009
%RSD	25.80	83.43	237.5	18.91	7021.	280.5	151.0	103.3	72.70
#1	.0005	.0118	-.0002	.0086	-.0010	-.0013	.0020	-.0009	.0006
#2	.0008	.0003	.0001	.0075	.0006	.0046	-.0008	-.0008	.0023
#3	.0005	.0113	.0005	.0058	.0003	-.0129	.0018	-.0046	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 12:55:23 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**-.0000**	**.0006**	**-.0012**	**.0002**	**.0017**	**.0021**	**-.0000**
Stddev	.0008	.0001	.0000	.0022	.0002	.0015	.0002	.0001
%RSD	71.58	1005.	6.310	173.1	97.42	89.70	9.239	693.2
#1	-.0015	-.0001	.0006	-.0019	.0004	-.0000	.0021	.0001
#2	-.0002	.0001	.0005	-.0030	.0001	.0028	.0022	-.0001
#3	-.0016	-.0000	.0006	.0012	.0001	.0022	.0018	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5008.4**	**60246.**	**10597.**	**1729.4**
Stddev	7.5	48.	42.	6.0
%RSD	.15042	.07998	.39430	.34455
#1	4999.8	60258.	10645.	1723.1
#2	5011.4	60193.	10574.	1730.4
#3	5013.9	60287.	10571.	1734.9

Zoom In Zoom Out

Sample Name: jd51236-3 Acquired: 9/13/2022 13:00:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.6181**	**.0059**	**.3521**	**.0925**	**.0000**	**-.0023**	**55.75**	**.0001**
Stddev	.0006	.0089	.0003	.0016	.0005	.0001	.0020	.08	.0001
%RSD	743.8	1.438	5.863	.4424	.5529	1855.	85.97	.1381	68.51
#1	.0000	.6079	.0056	.3503	.0919	.0001	-.0032	55.78	.0001
#2	.0007	.6232	.0063	.3528	.0927	.0000	-.0000	55.66	.0001
#3	-.0005	.6234	.0060	.3531	.0929	-.0001	-.0037	55.80	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0865**	**.0010**	**.0026**	**.0162**	**2.392**	**4.660**	**.0075**	**9.504**	**1.297**
Stddev	.0016	.0009	.0004	.0002	.003	.026	.0010	.047	.003
%RSD	1.793	89.71	16.82	1.377	.1436	.5696	12.95	.4946	.2645
#1	.0867	.0000	.0022	.0163	2.393	4.645	.0066	9.515	1.295
#2	.0879	.0018	.0026	.0159	2.389	4.643	.0085	9.452	1.301
#3	.0848	.0012	.0031	.0163	2.395	4.690	.0075	9.544	1.295

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**36.99**	**.0040**	**.1353**	**.0014**	**21.36**	**.0002**	**-.0055**	**9.452**
Stddev	.0003	.09	.0003	.0007	.0019	.07	.0013	.0034	.003
%RSD	8.835	.2336	7.893	.5097	129.3	.3153	790.7	62.54	.0340
#1	.0027	36.96	.0038	.1345	-.0001	21.37	-.0004	-.0017	9.452
#2	.0032	36.92	.0044	.1359	.0035	21.29	-.0007	-.0084	9.455
#3	.0028	37.08	.0039	.1355	.0009	21.42	.0017	-.0063	9.449

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0023**	**.3996**	**.0232**	**.0049**	**.0029**	**.0092**	**.0203**	**-.0008**
Stddev	.0008	.0014	.0004	.0021	.0002	.0011	.0003	.0000
%RSD	33.31	.3397	1.878	42.33	6.233	11.83	1.501	4.021
#1	-.0023	.3996	.0227	.0035	.0027	.0084	.0205	-.0008
#2	-.0016	.3983	.0236	.0072	.0028	.0087	.0203	-.0008
#3	-.0032	.4010	.0234	.0039	.0031	.0104	.0199	-.0008

Zoom In Zoom Out

Sample Name: jd51236-3 Acquired: 9/13/2022 13:00:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4793.2**	**59604.**	**10773.**	**1700.3**
Stddev	.9	194.	42.	.9
%RSD	.01918	.32525	.39336	.05479
#1	4793.9	59826.	10803.	1700.5
#2	4792.2	59468.	10792.	1699.3
#3	4793.5	59517.	10725.	1701.1

Zoom In Zoom Out

Sample Name: jd51247-1 Acquired: 9/13/2022 13:05:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**3.601**	**.0044**	**.0659**	**.0163**	**.0001**	**-.0014**	**12.45**	**.0010**
Stddev	.0003	.017	.0010	.0008	.0001	.0001	.0013	.15	.0002
%RSD	24.59	.4676	23.50	1.261	.5898	127.2	93.43	1.183	16.56
#1	.0008	3.617	.0053	.0664	.0163	-.0000	.0001	12.61	.0010
#2	.0013	3.583	.0044	.0650	.0164	.0001	-.0024	12.41	.0008
#3	.0011	3.602	.0033	.0664	.0162	.0001	-.0020	12.32	.0012

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0116**	**.0008**	**.0361**	**.5277**	**3.607**	**20.40**	**.0013**	**3.419**	**.1166**
Stddev	.0034	.0003	.0002	.0016	.002	.12	.0006	.015	.0002
%RSD	29.60	40.51	.4944	.2982	.0662	.5655	51.19	.4400	.1650
#1	.0092	.0010	.0363	.5286	3.607	20.30	.0017	3.415	.1168
#2	.0155	.0004	.0361	.5259	3.604	20.38	.0016	3.435	.1165
#3	.0100	.0009	.0359	.5286	3.609	20.52	.0005	3.406	.1166

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**116.1**	**.0169**	**2.909**	**.0042**	**6.664**	**.0019**	**.0037**	**16.79**
Stddev	.0001	.6	.0004	.007	.0009	.027	.0001	.0008	.06
%RSD	4.500	.4965	2.507	.2450	22.75	.4053	8.013	22.10	.3720
#1	.0033	115.5	.0164	2.903	.0033	6.643	.0017	.0028	16.73
#2	.0030	116.1	.0171	2.917	.0051	6.656	.0020	.0043	16.80
#3	.0032	116.7	.0172	2.908	.0041	6.695	.0019	.0041	16.85

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0379**	**.0022**	**.0052**	**.0013**	**.0166**	**.5014**	**.0008**
Stddev	.0016	.0001	.0004	.0020	.0002	.0008	.0005	.0002
%RSD	377.3	.1457	19.01	38.68	14.19	4.937	.1046	23.20
#1	-.0012	.0379	.0019	.0049	.0012	.0159	.5008	.0008
#2	.0014	.0379	.0027	.0034	.0015	.0175	.5017	.0006
#3	-.0014	.0378	.0020	.0074	.0011	.0164	.5017	.0009

Zoom In Zoom Out

Sample Name: jd51247-1 Acquired: 9/13/2022 13:05:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4649.8**	**58881.**	**10597.**	**1672.2**
Stddev	18.1	31.	43.	6.9
%RSD	.39001	.05317	.40443	.41467
#1	4670.8	58900.	10570.	1678.0
#2	4639.8	58845.	10646.	1674.2
#3	4638.9	58898.	10574.	1664.5

Zoom In Zoom Out

Sample Name: jd51249-1 Acquired: 9/13/2022 13:10:42 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**6.177**	**.0119**	**.0772**	**.0889**	**.0007**	**.0018**	**93.83**	**.0003**
Stddev	.0007	.003	.0006	.0013	.0004	.0000	.0019	.11	.0001
%RSD	116.1	.0483	5.075	1.652	.4767	2.644	102.6	.1179	49.99
#1	.0006	6.174	.0126	.0757	.0887	.0007	.0021	93.73	.0004
#2	-.0001	6.177	.0116	.0779	.0893	.0007	-.0002	93.81	.0001
#3	.0012	6.180	.0116	.0779	.0885	.0007	.0036	93.95	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0667**	**.0071**	**.0117**	**.0858**	**8.332**	**5.875**	**.0051**	**7.378**	**.3066**
Stddev	.0029	.0004	.0002	.0005	.010	.039	.0006	.021	.0002
%RSD	4.310	6.109	1.852	.5687	.1237	.6554	12.20	.2885	.0524
#1	.0680	.0075	.0119	.0860	8.320	5.830	.0044	7.402	.3065
#2	.0686	.0067	.0118	.0861	8.336	5.899	.0056	7.361	.3065
#3	.0634	.0069	.0115	.0852	8.339	5.895	.0054	7.372	.3068

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**5.709**	**.0112**	**.3888**	**.0500**	**70.32**	**.0013**	**-.0031**	**10.74**
Stddev	.0003	.005	.0003	.0029	.0007	.28	.0010	.0026	.04
%RSD	12.48	.0951	2.723	.7568	1.414	.3934	77.30	83.03	.3493
#1	.0020	5.706	.0113	.3885	.0494	70.46	.0006	-.0060	10.75
#2	.0025	5.716	.0115	.3919	.0499	70.00	.0008	-.0023	10.70
#3	.0026	5.707	.0109	.3861	.0508	70.50	.0024	-.0010	10.78

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0134**	**.1831**	**.1900**	**.0069**	**.0302**	**.0109**	**.0967**	**.0006**
Stddev	.0002	.0004	.0005	.0028	.0002	.0009	.0005	.0001
%RSD	1.765	.1924	.2575	40.02	.8171	7.956	.4708	9.841
#1	.0131	.1828	.1897	.0055	.0304	.0116	.0971	.0007
#2	.0135	.1835	.1898	.0101	.0303	.0112	.0967	.0006
#3	.0135	.1831	.1906	.0051	.0299	.0100	.0962	.0006

Zoom In Zoom Out

Sample Name: jd51249-1 Acquired: 9/13/2022 13:10:42 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4783.7**	**59882.**	**10902.**	**1693.0**
Stddev	3.9	107.	7.	4.9
%RSD	.08213	.17951	.06547	.29059
#1	4784.5	59982.	10907.	1693.9
#2	4779.4	59896.	10905.	1697.4
#3	4787.1	59768.	10894.	1687.7

Zoom In Zoom Out

Sample Name: jd51249-2 Acquired: 9/13/2022 13:15:47 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**1.476**	**.0049**	**.0605**	**.0331**	**.0002**	**.0004**	**24.65**	**-.0002**
Stddev	.0004	.007	.0007	.0020	.0004	.0001	.0002	.00	.0004
%RSD	344.6	.5025	15.33	3.346	1.155	34.05	53.24	.0054	177.9
#1	.0006	1.483	.0040	.0627	.0331	.0002	.0002	24.65	-.0006
#2	.0000	1.477	.0054	.0600	.0335	.0001	.0006	24.65	.0001
#3	-.0002	1.468	.0052	.0587	.0327	.0002	.0004	24.65	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0156**	**.0014**	**.0029**	**.0158**	**1.899**	**5.391**	**.0019**	**2.745**	**.0620**
Stddev	.0014	.0002	.0003	.0006	.006	.039	.0006	.009	.0001
%RSD	9.238	17.20	11.29	3.486	.2984	.7197	33.62	.3361	.2361
#1	.0148	.0015	.0027	.0158	1.899	5.347	.0026	2.755	.0620
#2	.0173	.0011	.0033	.0153	1.892	5.406	.0014	2.743	.0622
#3	.0147	.0015	.0027	.0164	1.904	5.420	.0017	2.737	.0619

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**8.575**	**.0034**	**.2548**	**.0070**	**16.23**	**.0002**	**-.0039**	**3.959**
Stddev	.0005	.049	.0001	.0019	.0017	.02	.0026	.0021	.006
%RSD	39.51	.5761	2.053	.7484	24.55	.1197	1319.	54.62	.1622
#1	.0008	8.567	.0033	.2534	.0051	16.22	.0010	-.0015	3.952
#2	.0012	8.628	.0034	.2539	.0075	16.22	.0023	-.0048	3.961
#3	.0018	8.530	.0033	.2569	.0084	16.25	-.0027	-.0054	3.965

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0024**	**.0807**	**.0658**	**.0015**	**.0075**	**.0038**	**.0253**	**-.0003**
Stddev	.0006	.0003	.0005	.0016	.0001	.0004	.0004	.0002
%RSD	24.89	.3394	.7760	108.4	1.346	9.583	1.501	97.50
#1	-.0019	.0806	.0663	.0034	.0074	.0037	.0249	-.0005
#2	-.0023	.0809	.0652	.0002	.0076	.0035	.0253	-.0003
#3	-.0030	.0804	.0658	.0010	.0075	.0042	.0257	.0000

Zoom In Zoom Out

Sample Name: jd51249-2 Acquired: 9/13/2022 13:15:47 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4948.3**	**60479.**	**10908.**	**1724.4**
Stddev	7.1	218.	18.	5.3
%RSD	.14250	.36043	.16955	.30667
#1	4953.2	60619.	10917.	1723.5
#2	4940.2	60228.	10921.	1719.6
#3	4951.6	60591.	10887.	1730.1

Zoom In Zoom Out

Sample Name: jd51249-4 Acquired: 9/13/2022 13:20:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**4.475**	**.0092**	**.0547**	**.1137**	**.0006**	**.0033**	**50.82**	**.0006**
Stddev	.0001	.015	.0009	.0008	.0001	.0000	.0014	.09	.0003
%RSD	17.42	.3352	10.03	1.460	.1092	4.264	43.45	.1815	47.94
#1	.0008	4.485	.0102	.0539	.1136	.0006	.0047	50.83	.0006
#2	.0009	4.482	.0089	.0555	.1138	.0005	.0019	50.91	.0003
#3	.0007	4.458	.0084	.0546	.1137	.0006	.0032	50.72	.0009

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0514**	**.0071**	**.0192**	**.0638**	**6.213**	**17.25**	**.0039**	**8.406**	**.3215**
Stddev	.0010	.0001	.0003	.0004	.014	.06	.0008	.009	.0008
%RSD	1.889	1.292	1.463	.6698	.2179	.3280	21.44	.1019	.2511
#1	.0519	.0071	.0191	.0633	6.212	17.19	.0041	8.404	.3209
#2	.0520	.0071	.0190	.0639	6.226	17.31	.0046	8.398	.3224
#3	.0503	.0070	.0195	.0642	6.199	17.25	.0029	8.415	.3211

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**8.581**	**.0165**	**.6144**	**.0444**	**22.49**	**.0055**	**-.0023**	**8.718**
Stddev	.0001	.015	.0001	.0019	.0008	.02	.0022	.0011	.013
%RSD	1.606	.1723	.5837	.3025	1.816	.0706	39.71	46.69	.1430
#1	.0045	8.582	.0166	.6148	.0451	22.47	.0072	-.0020	8.725
#2	.0044	8.595	.0164	.6124	.0446	22.50	.0062	-.0014	8.725
#3	.0044	8.566	.0166	.6161	.0435	22.50	.0030	-.0035	8.704

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**.1231**	**.2874**	**.0022**	**.0209**	**.0074**	**.6171**	**-.0004**
Stddev	.0007	.0004	.0006	.0024	.0004	.0009	.0007	.0001
%RSD	35.55	.2959	.2076	111.8	1.915	12.10	.1210	27.53
#1	-.0015	.1228	.2868	.0002	.0205	.0069	.6172	-.0003
#2	-.0016	.1235	.2874	.0049	.0212	.0069	.6162	-.0004
#3	-.0027	.1230	.2880	.0015	.0211	.0085	.6177	-.0006

Zoom In Zoom Out

Sample Name: jd51249-4 Acquired: 9/13/2022 13:20:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4829.0**	**60117.**	**10900.**	**1711.2**
Stddev	1.0	74.	65.	.7
%RSD	.01971	.12387	.60047	.03880
#1	4829.7	60175.	10946.	1710.8
#2	4829.4	60143.	10928.	1712.0
#3	4827.9	60033.	10825.	1710.8

Zoom In Zoom Out

Sample Name: jd51249-5 Acquired: 9/13/2022 13:25:53 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.5560**	**.0049**	**.0408**	**.0239**	**.0001**	**-.0006**	**19.35**	**-.0001**
Stddev	.0001	.0119	.0004	.0012	.0002	.0001	.0019	.04	.0002
%RSD	43.20	2.140	9.178	3.003	.7243	135.2	343.0	.2299	135.0
#1	-.0001	.5691	.0049	.0417	.0237	.0001	.0009	19.40	-.0002
#2	-.0002	.5530	.0053	.0394	.0240	-.0000	-.0027	19.33	.0001
#3	-.0003	.5459	.0044	.0414	.0240	.0001	.0001	19.31	-.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0060**	**.0003**	**.0014**	**.0077**	**.6499**	**4.553**	**.0012**	**4.708**	**.0122**
Stddev	.0012	.0002	.0003	.0003	.0042	.013	.0005	.003	.0000
%RSD	19.57	77.78	22.88	3.566	.6537	.2782	40.37	.0640	.2635
#1	.0061	.0001	.0017	.0079	.6452	4.559	.0016	4.710	.0122
#2	.0070	.0002	.0013	.0074	.6509	4.561	.0014	4.705	.0122
#3	.0047	.0005	.0011	.0077	.6535	4.538	.0007	4.709	.0123

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**1.636**	**.0021**	**.1409**	**.0031**	**5.028**	**.0009**	**-.0031**	**3.803**
Stddev	.0003	.001	.0002	.0022	.0010	.017	.0019	.0020	.003
%RSD	24.21	.0457	9.706	1.575	32.08	.3317	214.1	63.09	.0894
#1	.0010	1.636	.0022	.1384	.0040	5.010	.0009	-.0037	3.800
#2	.0016	1.637	.0019	.1425	.0020	5.032	-.0010	-.0046	3.803
#3	.0016	1.635	.0022	.1419	.0034	5.043	.0027	-.0009	3.807

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0028**	**.0653**	**.0169**	**.0002**	**.0044**	**.0041**	**.0101**	**-.0002**
Stddev	.0012	.0001	.0002	.0018	.0002	.0009	.0003	.0003
%RSD	43.64	.1732	1.054	1051.	4.818	21.40	2.930	166.2
#1	-.0014	.0652	.0171	.0021	.0045	.0038	.0104	-.0003
#2	-.0038	.0653	.0168	-.0003	.0041	.0034	.0100	.0002
#3	-.0031	.0654	.0168	-.0014	.0045	.0051	.0099	-.0004

Zoom In Zoom Out

Sample Name: jd51249-5 Acquired: 9/13/2022 13:25:53 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4985.1**	**60194.**	**10850.**	**1728.8**
Stddev	6.5	121.	66.	3.2
%RSD	.12951	.20130	.61169	.18753
#1	4992.5	60202.	10923.	1731.8
#2	4982.3	60310.	10836.	1725.3
#3	4980.5	60068.	10792.	1729.2

Zoom In Zoom Out

Sample Name: jd51267-1 Acquired: 9/13/2022 13:30:58 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0069**	**.0138**	**.0981**	**.1098**	**.0001**	**-.0010**	**52.65**
Stddev	.0005	.0057	.0024	.0010	.0007	.0001	.0011	.04
%RSD	139.6	81.79	17.35	.9944	.6032	142.3	111.5	.0767
#1	-.0002	-.0005	.0127	.0986	.1094	.0000	-.0017	52.62
#2	.0005	-.0111	.0165	.0986	.1094	-.0000	-.0016	52.70
#3	.0008	-.0092	.0121	.0969	.1105	.0002	.0003	52.64

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0331**	**.0001**	**.0006**	**.0011**	**10.69**	**6.988**	**.0021**
Stddev	.0003	.0021	.0007	.0005	.0003	.01	.018	.0010
%RSD	303.5	6.367	500.1	78.30	27.31	.1125	.2637	46.48
#1	-.0001	.0321	.0007	.0010	.0010	10.70	6.966	.0029
#2	.0002	.0356	-.0006	.0008	.0008	10.70	6.999	.0010
#3	-.0004	.0317	.0003	.0001	.0014	10.68	6.998	.0023

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.95**	**.3402**	**.0003**	**77.97**	**.0003**	**.2300**	**.0000**	**3.410**
Stddev	.13	.0012	.0001	.10	.0006	.0029	.0006	.013
%RSD	.7518	.3534	29.69	.1255	174.6	1.257	2197.	.3705
#1	16.84	.3415	.0004	77.90	-.0003	.2269	.0000	3.415
#2	16.91	.3399	.0002	77.93	.0006	.2303	-.0006	3.396
#3	17.09	.3392	.0003	78.08	.0007	.2326	.0007	3.420

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0038**	**6.965**	**-.0037**	**.2951**	**-.0007**	**.0009**	**.0009**
Stddev	.0013	.0033	.008	.0009	.0006	.0004	.0012	.0001
%RSD	477.6	86.68	.1210	23.70	.1978	58.52	128.0	7.613
#1	-.0005	-.0036	6.964	-.0028	.2949	-.0008	.0023	.0010
#2	.0017	-.0073	6.957	-.0045	.2946	-.0002	.0003	.0010
#3	-.0004	-.0006	6.974	-.0036	.2957	-.0010	.0002	.0009

Zoom In Zoom Out

Sample Name: jd51267-1 Acquired: 9/13/2022 13:30:58 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0070**	**.0099**	W **-.0011**
Stddev	.0019	.0002	.0002
%RSD	26.63	2.357	14.95
#1	.0058	.0102	-.0013
#2	.0061	.0098	-.0009
#3	.0091	.0098	-.0012

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4645.4**	**58933.**	**10709.**	**1664.3**
Stddev	1.3	158.	29.	1.6
%RSD	.02700	.26819	.26849	.09832
#1	4646.8	58750.	10676.	1666.2
#2	4645.0	59020.	10719.	1663.7
#3	4644.3	59028.	10731.	1663.2

Zoom In Zoom Out

Sample Name: mp35039-mb1conf Acquired: 9/13/2022 13:36:03 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0042**	**.0011**	**.0022**	**.0001**	**.0000**	**-.0003**	**.0165**
Stddev	.0005	.0084	.0014	.0016	.0001	.0000	.0002	.0008
%RSD	64.55	201.4	131.1	72.08	134.5	185.8	83.09	4.718
#1	-.0008	-.0109	.0016	.0004	.0001	-.0000	-.0005	.0170
#2	-.0011	-.0068	.0022	.0030	-.0000	.0000	-.0000	.0169
#3	-.0002	.0052	-.0005	.0031	.0001	.0001	-.0003	.0156

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**-.0002**	**-.0003**	**-.0004**	**.0075**	**.0106**	**.0021**
Stddev	.0003	.0010	.0001	.0005	.0004	.0014	.0255	.0004
%RSD	183.9	384.3	75.12	173.6	119.8	18.84	240.9	17.77
#1	.0003	.0014	-.0002	.0001	-.0009	.0068	.0181	.0023
#2	.0003	-.0006	-.0003	-.0009	-.0001	.0066	.0315	.0016
#3	-.0002	-.0000	-.0000	-.0002	-.0001	.0092	-.0179	.0022

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0150**	**.0003**	**.0001**	**.0247**	**-.0002**	**.0123**	**-.0009**	**.0018**
Stddev	.0272	.0001	.0004	.0084	.0005	.0019	.0006	.0080
%RSD	181.1	34.46	307.0	34.15	245.2	15.71	62.24	444.4
#1	.0226	.0002	-.0003	.0305	-.0008	.0140	-.0003	-.0054
#2	.0377	.0004	.0005	.0286	-.0000	.0127	-.0009	.0003
#3	-.0152	.0002	.0002	.0150	.0002	.0102	-.0015	.0104

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0030**	**.0213**	**-.0018**	**.0000**	**.0001**	F **-.0025**	**-.0001**
Stddev	.0008	.0006	.0010	.0009	.0001	.0004	.0013	.0003
%RSD	166.0	20.13	4.586	50.61	130.6	292.5	50.64	488.3
#1	.0010	.0024	.0220	-.0020	-.0000	.0002	-.0035	-.0003
#2	-.0004	.0036	.0217	-.0008	.0001	-.0003	-.0011	-.0002
#3	.0009	.0031	.0202	-.0026	.0001	.0005	-.0030	.0003

Zoom In Zoom Out

Sample Name: mp35039-mb1conf Acquired: 9/13/2022 13:36:03 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0011**	**.0009**	**.0001**
Stddev	.0013	.0002	.0002
%RSD	119.6	23.13	387.6
#1	.0014	.0010	-.0002
#2	.0022	.0007	.0003
#3	-.0003	.0010	.0001

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4999.7**	**60469.**	**10761.**	**1722.4**
Stddev	3.1	148.	25.	3.0
%RSD	.06247	.24516	.23466	.17343
#1	5000.9	60403.	10784.	1723.1
#2	4996.1	60366.	10766.	1725.0
#3	5002.0	60639.	10734.	1719.1

Zoom In Zoom Out

Sample Name: mp35039-ps1 7 Acquired: 9/13/2022 13:41:13 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2361**	**27.78**	**1.981**	**2.022**	**1.973**	**1.969**	W **-.0169**	**53.14**
Stddev	.0009	.03	.005	.006	.003	.004	.0013	.03
%RSD	.3937	.1003	.2467	.3046	.1743	.1930	7.545	.0608
#1	.2368	27.81	1.976	2.015	1.975	1.972	-.0156	53.17
#2	.2363	27.76	1.985	2.027	1.969	1.965	-.0170	53.16
#3	.2350	27.76	1.983	2.024	1.973	1.971	-.0182	53.11

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.970**	**.2068**	**1.967**	**1.977**	**1.970**	**31.01**	**27.93**	**.0051**
Stddev	.006	.0033	.002	.004	.006	.02	.04	.0005
%RSD	.3175	1.616	.1139	.2161	.2888	.0636	.1394	9.027
#1	1.962	.2062	1.969	1.981	1.976	31.03	27.94	.0056
#2	1.972	.2105	1.965	1.976	1.968	31.01	27.88	.0052
#3	1.974	.2039	1.966	1.973	1.965	30.99	27.95	.0047

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.28**	**2.316**	**2.014**	**36.69**	**1.963**	**2.132**	**1.984**	**8.517**
Stddev	.05	.005	.005	.06	.003	.016	.012	.004
%RSD	.1473	.2243	.2553	.1507	.1612	.7420	.6269	.0511
#1	33.28	2.311	2.008	36.74	1.964	2.115	1.998	8.521
#2	33.23	2.321	2.016	36.63	1.959	2.135	1.973	8.518
#3	33.32	2.315	2.018	36.71	1.965	2.146	1.983	8.512

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**1.937**	**13.53**	**2.023**	**2.028**	**2.106**	**1.995**	**1.971**
Stddev	.003	.004	.03	.003	.004	.002	.012	.006
%RSD	.1546	.1804	.2483	.1255	.1971	.0939	.5794	.2905
#1	2.026	1.941	13.50	2.026	2.031	2.108	2.008	1.965
#2	2.025	1.934	13.56	2.022	2.024	2.106	1.994	1.976
#3	2.031	1.936	13.54	2.022	2.028	2.104	1.984	1.970

Zoom In Zoom Out

Sample Name: mp35039-ps1 7 Acquired: 9/13/2022 13:41:13 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.912**	**2.129**	**2.011**
Stddev	.018	.004	.004
%RSD	.9277	.1820	.1821
#1	1.896	2.125	2.011
#2	1.909	2.132	2.014
#3	1.931	2.130	2.007

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4605.0**	**58676.**	**10829.**	**1684.0**
Stddev	5.0	49.	46.	5.2
%RSD	.10911	.08421	.42520	.30729
#1	4601.5	58728.	10856.	1689.8
#2	4610.8	58672.	10776.	1682.3
#3	4602.8	58630.	10855.	1679.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 13:46:00 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2420**	**38.64**	**1.938**	**1.985**	**1.955**	**1.986**	**1.984**	**38.84**	**1.984**
Stddev	.0008	.09	.006	.006	.004	.002	.004	.05	.006
%RSD	.3336	.2285	.2865	.2856	.1922	.0886	.2004	.1404	.3039
#1	.2411	38.72	1.932	1.983	1.956	1.988	1.984	38.90	1.980
#2	.2422	38.55	1.941	1.980	1.950	1.985	1.979	38.80	1.981
#3	.2427	38.66	1.942	1.991	1.958	1.984	1.987	38.81	1.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.000**	**1.987**	**1.994**	**1.921**	**39.57**	**38.22**	**1.944**	**38.72**	**2.015**
Stddev	.003	.002	.004	.002	.07	.06	.003	.18	.003
%RSD	.1605	.1009	.1859	.1036	.1799	.1455	.1595	.4600	.1511
#1	2.003	1.987	1.996	1.919	39.64	38.28	1.940	38.78	2.018
#2	1.997	1.985	1.990	1.921	39.50	38.17	1.945	38.52	2.012
#3	2.000	1.989	1.997	1.923	39.58	38.22	1.946	38.86	2.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.988**	**38.78**	**1.987**	**1.911**	**2.010**	**1.920**	**1.964**	**1.929**	**4.850**
Stddev	.005	.07	.003	.006	.001	.011	.005	.007	.018
%RSD	.2629	.1869	.1477	.3157	.0225	.5607	.2678	.3461	.3715
#1	1.983	38.85	1.984	1.904	2.010	1.908	1.964	1.928	4.839
#2	1.987	38.71	1.987	1.915	2.011	1.925	1.958	1.923	4.840
#3	1.993	38.80	1.990	1.915	2.010	1.928	1.969	1.936	4.871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 13:46:00 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.992**	**1.950**	**1.985**	**1.866**	**1.988**	**2.013**	**2.001**	**1.981**
Stddev	.006	.003	.003	.002	.004	.002	.006	.002
%RSD	.3127	.1486	.1270	.0871	.2163	.0889	.2791	.0736
#1	1.984	1.952	1.986	1.866	1.991	2.015	1.995	1.982
#2	1.996	1.947	1.982	1.864	1.983	2.012	2.001	1.980
#3	1.995	1.952	1.987	1.868	1.989	2.011	2.006	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4570.6**	**58130.**	**10491.**	**1682.6**
Stddev	2.1	60.	61.	4.3
%RSD	.04584	.10394	.57853	.25333
#1	4573.1	58179.	10420.	1686.4
#2	4569.4	58063.	10525.	1683.5
#3	4569.5	58149.	10527.	1678.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 13:50:48 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0053**	**.0021**	**.0039**	**.0001**	**.0001**	**.0001**	**-.0003**	**.0001**
Stddev	.0001	.0028	.0014	.0007	.0002	.0001	.0017	.0003	.0002
%RSD	21.46	52.06	64.83	18.55	158.2	61.08	1157.	83.37	173.1
#1	-.0006	-.0025	.0037	.0035	.0001	.0000	-.0007	-.0003	.0003
#2	-.0006	-.0055	.0011	.0048	.0003	.0001	-.0009	-.0007	.0001
#3	-.0008	-.0080	.0016	.0035	-.0001	.0001	.0021	-.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**.0002**	**.0003**	**-.0009**	**.0059**	**-.0254**	**.0009**	**.0210**	**.0001**
Stddev	.0025	.0003	.0004	.0005	.0008	.0190	.0012	.0247	.0000
%RSD	155.2	117.8	152.1	51.22	13.20	74.94	137.5	117.8	24.82
#1	-.0011	.0003	.0002	-.0004	.0051	-.0319	-.0005	-.0052	.0001
#2	-.0042	.0005	-.0001	-.0010	.0060	-.0040	.0014	.0439	.0001
#3	.0006	-.0001	.0007	-.0013	.0067	-.0403	.0017	.0242	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0024**	**.0011**	**.0000**	**.0041**	**-.0009**	**.0014**	**.0010**	**.0009**	**.0016**
Stddev	.0004	.0045	.0005	.0037	.0003	.0024	.0011	.0020	.0009
%RSD	18.01	398.9	918.7	90.15	28.61	170.5	117.1	214.7	56.48
#1	.0028	.0062	-.0004	.0066	-.0009	.0033	.0001	.0028	.0011
#2	.0020	-.0002	.0000	.0060	-.0012	.0021	.0022	-.0012	.0010
#3	.0023	-.0026	.0005	-.0002	-.0007	-.0013	.0006	.0011	.0026
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0020								
Low Limit	-.0020								

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 13:50:48 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0000**	**-.0003**	**.0012**	**.0006**	F **.0125**	**.0019**	**-.0001**
Stddev	.0003	.0000	.0005	.0021	.0002	.0005	.0002	.0002
%RSD	137.7	2563.	174.6	177.5	38.23	3.792	10.46	138.2
#1	-.0003	.0000	.0001	.0027	.0006	.0127	.0021	-.0001
#2	-.0006	-.0000	-.0001	-.0012	.0008	.0129	.0020	-.0003
#3	.0001	-.0000	-.0008	.0020	.0004	.0120	.0017	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0063		
Low Limit						-.0063		

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5028.1**	**60433.**	**10574.**	**1732.1**
Stddev	5.7	45.	31.	2.1
%RSD	.11339	.07438	.28989	.12073
#1	5021.6	60392.	10607.	1730.0
#2	5030.8	60426.	10567.	1734.1
#3	5032.0	60481.	10547.	1732.3

Zoom In Zoom Out

Sample Name: crid Acquired: 9/13/2022 13:56:25 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0005**	**.0853**	**.0035**	F **.0021**	**.0040**	**.0010**	F **-.0014**	**1.018**
Stddev	.0004	.0052	.0010	.0002	.0001	.0001	.0010	.003
%RSD	88.55	6.077	29.71	8.048	1.698	8.052	69.49	.3368
#1	-.0001	.0902	.0034	.0019	.0041	.0010	-.0013	1.015
#2	-.0005	.0858	.0046	.0021	.0040	.0011	-.0024	1.017
#3	-.0010	.0799	.0025	.0023	.0039	.0009	-.0004	1.022
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	.0020			.0100			.0040	
Range	-30.00%			-30.00%			-30.00%	

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0015**	**.0028**	**.0021**	F **-.0003**	**.0015**	**1.945**	F **.0010**
Stddev	.0003	.0029	.0002	.0004	.0007	.0015	.015	.0004
%RSD	24.89	185.2	8.493	19.48	212.6	94.66	.7551	44.02
#1	.0011	.0045	.0025	.0021	-.0005	.0006	1.951	.0015
#2	.0014	-.0012	.0029	.0017	.0005	.0032	1.929	.0008
#3	.0008	.0014	.0029	.0025	-.0009	.0008	1.956	.0007
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail
Value					.0020			.0040
Range					-30.00%			-30.00%

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1234**	**.0031**	**.0012**	**.9809**	**.0037**	**.0033**	F **-.0001**	**.0030**
Stddev	.0026	.0000	.0002	.0101	.0000	.0012	.0006	.0014
%RSD	2.106	.4986	18.68	1.030	1.266	36.24	650.8	47.60
#1	.1208	.0031	.0014	.9904	.0037	.0045	.0003	.0018
#2	.1234	.0031	.0011	.9703	.0037	.0021	-.0008	.0045
#3	.1260	.0031	.0010	.9819	.0038	.0033	.0003	.0026
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.0025	
Range							-30.00%	

Zoom In Zoom Out

Sample Name: crid Acquired: 9/13/2022 13:56:25 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0001**	F **-.0003**	**.0005**	**-.0007**	**-.0000**	**-.0001**	F **.0011**	**.0024**
Stddev	.0018	.0008	.0004	.0003	.0000	.0002	.0007	.0002
%RSD	1531.	312.2	86.36	36.33	100.2	187.2	68.73	9.912
#1	.0017	.0004	.0010	-.0006	-.0000	.0001	.0003	.0021
#2	-.0003	-.0011	.0003	-.0006	-.0001	-.0001	.0017	.0025
#3	-.0018	-.0001	.0002	-.0010	-.0000	-.0003	.0012	.0026
Check ?	Chk Fail	Chk Fail	None	None	None	None	Chk Fail	Chk Pass
Value	.0030	.0050					.0020	
Range	-30.00%	-30.00%					-20.00%	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	F **.0069**	**.0095**	F **-.0000**
Stddev	.0009	.0004	.0001
%RSD	13.54	3.860	346.3
#1	.0060	.0092	.0000
#2	.0069	.0093	-.0001
#3	.0079	.0099	.0000
Check ?	Chk Fail	Chk Pass	Chk Fail
Value	.0040		.0040
Range	30.00%		-30.00%

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5009.5**	**60347.**	**10575.**	**1725.2**
Stddev	3.2	182.	40.	3.6
%RSD	.06362	.30166	.37384	.20663
#1	5013.1	60257.	10608.	1727.7
#2	5008.3	60227.	10585.	1726.8
#3	5007.1	60556.	10531.	1721.1

Zoom In Zoom Out

Sample Name: emptyconf Acquired: 9/13/2022 14:01:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.1970**	**.0046**	**.0036**	**.1967**	**.0021**	**.0019**	**5.112**
Stddev	.0025	.0061	.0002	.0017	.0019	.0001	.0017	.031
%RSD	134.5	3.102	3.734	48.60	.9730	4.865	89.66	.6071
#1	.0044	.1999	.0047	.0055	.1976	.0022	.0038	5.133
#2	.0017	.2012	.0045	.0030	.1980	.0020	.0006	5.126
#3	-.0006	.1900	.0044	.0022	.1945	.0020	.0012	5.076

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0007**	**.0028**	**.0059**	**.0020**	**.1126**	**4.870**	**.0531**
Stddev	.0001	.0034	.0012	.0040	.0081	.0015	.026	.0001
%RSD	77.94	512.1	42.72	67.91	412.7	1.355	.5408	.2385
#1	-.0000	.0044	.0041	.0097	.0094	.1112	4.881	.0530
#2	-.0001	-.0023	.0024	.0062	.0032	.1124	4.888	.0533
#3	-.0001	-.0001	.0018	.0018	-.0067	.1143	4.839	.0531

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.045**	**.0088**	**.0012**	**4.913**	**.0010**	**-.0114**	**-.0001**	W **-.0253**
Stddev	.044	.0063	.0005	.049	.0003	.0017	.0013	.0047
%RSD	.8824	70.94	40.66	1.000	27.03	15.26	1003.	18.49
#1	5.080	.0149	.0018	4.958	.0011	-.0094	-.0012	-.0199
#2	5.061	.0091	.0010	4.920	.0012	-.0121	-.0004	-.0278
#3	4.995	.0024	.0010	4.861	.0007	-.0127	.0013	-.0282

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**-.0042**	**.0001**	**-.0011**	**.0097**	**.0054**	**.0008**	**.0286**
Stddev	.0007	.0012	.0043	.0004	.0001	.0036	.0005	.0198
%RSD	40.37	27.97	3973.	34.31	.7824	67.06	65.36	69.11
#1	.0012	-.0033	.0050	-.0010	.0097	.0088	.0009	.0480
#2	.0014	-.0037	-.0015	-.0016	.0098	.0059	.0012	.0293
#3	.0025	-.0055	-.0031	-.0008	.0096	.0016	.0002	.0085

Zoom In Zoom Out

Sample Name: emptyconf Acquired: 9/13/2022 14:01:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0038**	**.0003**	**.0067**
Stddev	.0011	.0006	.0046
%RSD	27.79	216.7	67.81
#1	.0050	.0010	.0110
#2	.0030	.0001	.0073
#3	.0034	-.0002	.0019

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**12968.**	*****	**10600.**	**4841.8**
Stddev	206.	-----	87.	68.2
%RSD	1.5910	-----	.82327	1.4088
#1	12731.	60703.	10550.	4763.1
#2	13068.	-----	10550.	4878.7
#3	13106.	125280.	10701.	4883.6

Zoom In Zoom Out

Sample Name: emptyconf Acquired: 9/13/2022 14:12:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**.1937**	**.0083**	**.0980**	**.1919**	**.0021**	**.0209**	**5.040**	**.0031**
Stddev	.0006	.0083	.0010	.0009	.0002	.0001	.0008	.014	.0003
%RSD	13.99	4.268	11.51	.8884	.1262	4.390	3.993	.2707	9.592
#1	.0044	.1907	.0089	.0983	.1917	.0021	.0204	5.029	.0027
#2	.0038	.1874	.0088	.0970	.1920	.0021	.0218	5.055	.0033
#3	.0050	.2031	.0072	.0987	.1921	.0022	.0205	5.035	.0032

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0478**	**.0096**	**.0089**	**.1129**	**4.807**	**.0527**	**4.984**	**.0152**
Stddev	.0026	.0005	.0003	.0003	.0019	.033	.0005	.056	.0000
%RSD	60.81	.9840	2.923	3.189	1.658	.6944	.9521	1.114	.1790
#1	.0072	.0481	.0099	.0087	.1128	4.805	.0532	4.923	.0152
#2	.0033	.0473	.0097	.0087	.1148	4.842	.0525	5.033	.0151
#3	.0023	.0480	.0093	.0092	.1110	4.775	.0523	4.995	.0152

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0210**	**4.816**	**.0093**	**.0506**	**.0015**	**.0507**	**.0053**	**.0113**	**.1987**
Stddev	.0004	.013	.0004	.0017	.0009	.0025	.0014	.0032	.0018
%RSD	1.737	.2619	4.112	3.377	63.99	4.928	25.61	28.07	.9071
#1	.0212	4.803	.0095	.0515	.0012	.0534	.0041	.0136	.2001
#2	.0212	4.818	.0089	.0516	.0025	.0501	.0051	.0077	.1967
#3	.0206	4.828	.0095	.0486	.0007	.0485	.0068	.0127	.1993

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0090**	**.0094**	**.0098**	**.0095**	**.0487**	**.0535**	**.0240**	**.0096**
Stddev	.0000	.0001	.0002	.0021	.0001	.0007	.0004	.0002
%RSD	.1764	.9070	2.209	22.45	.1726	1.234	1.489	1.896
#1	.0090	.0093	.0098	.0115	.0487	.0542	.0240	.0096
#2	.0090	.0095	.0100	.0073	.0488	.0532	.0236	.0098
#3	.0090	.0095	.0096	.0098	.0486	.0530	.0243	.0094

Zoom In Zoom Out

Sample Name: emptyconf Acquired: 9/13/2022 14:12:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4938.1**	**60051.**	**10508.**	**1716.9**
Stddev	11.8	173.	93.	9.2
%RSD	.23794	.28849	.88121	.53472
#1	4937.5	60015.	10580.	1718.5
#2	4950.1	60239.	10404.	1725.3
#3	4926.7	59898.	10542.	1707.1

Zoom In Zoom Out

Sample Name: jd51289-2f Acquired: 9/13/2022 14:18:03 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.1864**	**.0094**	**.6383**	**.5150**	**.0003**	**-.0093**	**78.67**	**-.0011**
Stddev	.0031	.0196	.0050	.0038	.0013	.0003	.0011	.10	.0015
%RSD	513.2	10.51	53.67	.5996	.2507	130.4	12.04	.1322	133.1
#1	-.0027	.2081	.0150	.6417	.5163	-.0001	-.0094	78.77	-.0016
#2	-.0022	.1702	.0052	.6342	.5151	.0004	-.0104	78.68	-.0023
#3	.0030	.1807	.0080	.6389	.5137	.0005	-.0081	78.56	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0382**	**-.0006**	**.0002**	**-.0011**	**.1405**	**27.55**	**.0547**	**57.36**	**.1223**
Stddev	.0211	.0010	.0012	.0015	.0115	.04	.0017	.13	.0009
%RSD	55.19	180.4	487.2	129.7	8.200	.1495	3.076	.2341	.7697
#1	.0588	.0006	-.0001	-.0024	.1388	27.54	.0555	57.44	.1232
#2	.0167	-.0014	-.0007	-.0015	.1528	27.52	.0558	57.42	.1213
#3	.0391	-.0008	.0015	.0005	.1299	27.60	.0528	57.20	.1225

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**326.4**	**-.0002**	**.0627**	**-.0020**	**.4590**	**.0040**	**.0009**	**14.01**
Stddev	.0031	.7	.0031	.0089	.0084	.0166	.0067	.0170	.03
%RSD	221.5	.2238	1575.	14.12	423.3	3.621	166.2	1891.	.1797
#1	.0013	327.1	.0017	.0648	-.0101	.4537	-.0031	.0141	14.04
#2	-.0016	325.6	.0015	.0703	-.0025	.4777	.0051	.0068	13.98
#3	.0045	326.5	-.0038	.0530	.0066	.4458	.0101	-.0182	14.01

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0097**	**.5932**	**-.0048**	**-.0015**	**.0005**	**.0312**	**.0226**	**-.0019**
Stddev	.0033	.0031	.0028	.0046	.0005	.0064	.0001	.0003
%RSD	34.37	.5205	58.40	303.2	112.1	20.50	.3227	18.33
#1	-.0062	.5967	-.0021	-.0058	.0011	.0376	.0225	-.0019
#2	-.0129	.5909	-.0046	-.0021	.0003	.0248	.0226	-.0022
#3	-.0100	.5919	-.0077	.0033	.0000	.0313	.0226	-.0015

Zoom In Zoom Out

Sample Name: jd51289-2f Acquired: 9/13/2022 14:18:03 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4698.1**	**58546.**	**10427.**	**1683.6**
Stddev	6.6	261.	13.	2.7
%RSD	.14092	.44515	.12596	.15990
#1	4690.9	58399.	10425.	1681.4
#2	4704.0	58847.	10441.	1686.6
#3	4699.5	58393.	10415.	1682.7

Zoom In Zoom Out

Sample Name: jd51289-3f Acquired: 9/13/2022 14:23:11 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0331**	**-.0000**	**.3719**	**.3406**	**-.0001**	**-.0164**	**66.45**	**.0008**
Stddev	.0011	.0266	.0069	.0009	.0029	.0002	.0028	.47	.0012
%RSD	104.5	80.42	22850.	.2451	.8487	302.0	17.09	.7081	142.7
#1	-.0022	.0613	-.0076	.3709	.3439	.0001	-.0164	66.90	.0022
#2	-.0006	.0292	.0015	.3726	.3384	.0000	-.0193	66.49	-.0001
#3	-.0002	.0086	.0059	.3723	.3396	-.0004	-.0137	65.96	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0498**	**-.0001**	**.0012**	**-.0025**	**7.644**	**14.64**	**.0616**	**35.23**	**.3534**
Stddev	.0006	.0021	.0010	.0006	.034	.15	.0008	.09	.0011
%RSD	1.284	1412.	81.25	22.31	.4391	1.041	1.253	.2597	.3135
#1	.0491	-.0012	.0014	-.0025	7.682	14.79	.0625	35.29	.3540
#2	.0504	-.0014	.0021	-.0020	7.635	14.48	.0611	35.27	.3541
#3	.0498	.0022	.0001	-.0031	7.617	14.65	.0613	35.12	.3521

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**249.8**	**-.0004**	**.0727**	**-.0009**	**.5591**	**.0013**	**-.0101**	**18.30**
Stddev	.0010	1.4	.0004	.0079	.0048	.0279	.0023	.0078	.07
%RSD	40.49	.5464	90.63	10.86	523.8	4.982	167.7	77.27	.3754
#1	.0036	251.4	-.0002	.0818	.0038	.5912	-.0013	-.0173	18.24
#2	.0020	248.8	-.0002	.0690	-.0059	.5444	.0029	-.0111	18.29
#3	.0018	249.3	-.0009	.0674	-.0006	.5417	.0024	-.0018	18.38

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0068**	**.4682**	**-.0015**	**-.0045**	**.0001**	**.0305**	**.0211**	**-.0022**
Stddev	.0024	.0023	.0018	.0082	.0003	.0038	.0006	.0011
%RSD	35.37	.4968	115.3	182.9	283.0	12.47	2.669	50.90
#1	-.0041	.4706	-.0008	.0036	-.0002	.0299	.0216	-.0035
#2	-.0077	.4660	-.0035	-.0128	.0004	.0270	.0211	-.0013
#3	-.0086	.4679	-.0003	-.0042	.0002	.0345	.0205	-.0018

Zoom In Zoom Out

Sample Name: jd51289-3f Acquired: 9/13/2022 14:23:11 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4745.1**	**59048.**	**10516.**	**1694.9**
Stddev	3.5	84.	48.	8.0
%RSD	.07386	.14174	.45726	.46934
#1	4741.2	59119.	10570.	1689.9
#2	4748.0	58956.	10501.	1704.1
#3	4746.1	59069.	10478.	1690.8

Zoom In Zoom Out

Sample Name: mp35045-mb1 Acquired: 9/13/2022 14:28:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**-.0042**	**.0012**	**.0012**	**.0001**	**-.0000**	**-.0007**	**.0001**	**.0000**
Stddev	.0006	.0063	.0025	.0002	.0001	.0001	.0008	.0017	.0006
%RSD	74.34	149.5	203.6	19.91	48.35	830.5	116.6	1438.	39380.
#1	-.0002	-.0016	.0038	.0014	.0002	-.0001	.0001	.0010	.0005
#2	-.0014	.0004	.0011	.0009	.0001	.0000	-.0015	-.0019	-.0006
#3	-.0010	-.0113	-.0012	.0013	.0001	.0000	-.0006	.0012	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**-.0000**	**-.0002**	**.0000**	**.0025**	**-.0258**	**.0002**	**.0192**	**.0000**
Stddev	.0011	.0001	.0001	.0002	.0026	.0270	.0010	.0374	.0001
%RSD	92.46	2550.	60.72	666.9	102.0	104.3	452.1	194.9	4258.
#1	.0021	-.0000	-.0001	-.0002	.0027	.0011	.0011	-.0175	-.0000
#2	-.0000	.0001	-.0003	-.0000	-.0002	-.0529	.0005	.0178	.0001
#3	.0015	-.0001	-.0004	.0003	.0049	-.0257	-.0009	.0573	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0014**	**-.0001**	**.0100**	**-.0014**	**-.0000**	**.0001**	**-.0003**	**.0063**
Stddev	.0002	.0036	.0002	.0008	.0004	.0022	.0011	.0019	.0009
%RSD	213.0	253.4	351.5	7.990	26.95	5524.	875.9	582.6	13.58
#1	.0000	.0026	-.0003	.0093	-.0018	-.0014	-.0011	.0018	.0072
#2	-.0003	-.0025	-.0000	.0109	-.0011	-.0013	.0004	-.0008	.0055
#3	-.0000	-.0043	.0001	.0098	-.0013	.0026	.0010	-.0019	.0062

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0000**	**-.0002**	**-.0006**	**-.0000**	**.0020**	**.0123**	**-.0001**
Stddev	.0005	.0001	.0003	.0002	.0002	.0005	.0001	.0000
%RSD	57.79	367.1	113.8	31.21	1200.	26.58	1.106	24.34
#1	-.0013	.0001	-.0001	-.0004	.0002	.0022	.0122	-.0001
#2	-.0003	-.0000	-.0005	-.0007	-.0002	.0014	.0124	-.0001
#3	-.0010	-.0000	-.0001	-.0007	-.0000	.0025	.0122	-.0002

Zoom In Zoom Out

Sample Name: mp35045-mb1 Acquired: 9/13/2022 14:28:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5007.5	59943.	10528.	1735.0
Stddev	9.1	94.	44.	8.4
%RSD	.18166	.15637	.42147	.48670
#1	5006.8	59859.	10482.	1730.6
#2	5016.9	59926.	10570.	1744.7
#3	4998.8	60044.	10533.	1729.7

Zoom In Zoom Out

Sample Name: cri Acquired: 9/13/2022 14:33:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	.1982	.0086	.0991	.1909	.0022	.0193	4.983	.0031
Stddev	.0007	.0078	.0002	.0012	.0001	.0000	.0008	.017	.0003
%RSD	16.09	3.942	2.851	1.233	.0780	.4272	4.265	.3470	10.13
#1	.0050	.2004	.0085	.0992	.1910	.0022	.0199	4.987	.0029
#2	.0036	.2046	.0085	.1003	.1907	.0022	.0184	4.998	.0030
#3	.0040	.1895	.0089	.0978	.1908	.0022	.0196	4.964	.0035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038	.0478	.0096	.0086	.1107	4.807	.0534	4.923	.0151
Stddev	.0049	.0005	.0005	.0004	.0001	.004	.0009	.066	.0000
%RSD	128.6	1.009	5.550	4.882	.0736	.0844	1.619	1.347	.1427
#1	.0092	.0476	.0102	.0082	.1107	4.811	.0538	4.940	.0151
#2	-.0003	.0474	.0093	.0090	.1107	4.803	.0524	4.979	.0151
#3	.0025	.0483	.0093	.0087	.1108	4.808	.0539	4.849	.0152
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207	4.845	.0099	.0495	.0025	.0412	.0062	.0103	.1974
Stddev	.0003	.020	.0003	.0025	.0003	.0026	.0012	.0024	.0015
%RSD	1.648	.4067	2.750	4.958	11.28	6.218	19.60	23.34	.7670
#1	.0203	4.847	.0096	.0523	.0023	.0383	.0052	.0076	.1976
#2	.0208	4.863	.0101	.0478	.0024	.0420	.0076	.0121	.1958
#3	.0209	4.824	.0100	.0483	.0028	.0432	.0058	.0113	.1989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 9/13/2022 14:33:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094	.0095	.0096	.0094	.0486	.0524	.0239	.0093
Stddev	.0013	.0000	.0002	.0016	.0003	.0019	.0002	.0002
%RSD	13.74	.3961	2.340	16.67	.6946	3.620	.7397	2.631
#1	.0109	.0094	.0094	.0110	.0483	.0527	.0240	.0092
#2	.0087	.0095	.0095	.0078	.0487	.0541	.0237	.0091
#3	.0087	.0095	.0099	.0094	.0489	.0503	.0241	.0095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4917.3	59810.	10444.	1716.0
Stddev	4.1	138.	38.	3.0
%RSD	.08374	.23020	.36835	.17550
#1	4918.7	59659.	10399.	1715.2
#2	4912.7	59844.	10467.	1713.6
#3	4920.6	59928.	10465.	1719.4

Zoom In Zoom Out

Sample Name: icsa Acquired: 9/13/2022 14:38:36 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	493.6	.0005	-.0033	-.0095	-.0004	.0026	376.1	-.0002
Stddev	.0004	.6	.0016	.0005	.0001	.0000	.0014	.8	.0002
%RSD	63.78	.1311	320.0	14.73	1.054	11.41	51.96	.2135	99.03
#1	.0007	494.3	-.0010	-.0030	-.0096	-.0004	.0012	376.4	-.0005
#2	.0012	493.4	.0022	-.0038	-.0094	-.0004	.0040	376.7	-.0002
#3	.0003	493.0	.0003	-.0030	-.0095	-.0003	.0027	375.2	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1621	-.0011	-.0030	-.0011	211.6	.1450	-.0010	473.4	.0021
Stddev	.0024	.0002	.0002	.0005	.6	.0107	.0008	1.2	.0002
%RSD	1.502	17.48	6.226	50.52	.2924	7.346	82.36	.2583	7.864
#1	.1627	-.0010	-.0030	-.0011	212.0	.1495	-.0002	474.1	.0023
#2	.1642	-.0013	-.0029	-.0005	211.8	.1329	-.0009	474.2	.0022
#3	.1594	-.0009	-.0032	-.0016	210.9	.1527	-.0018	472.0	.0020
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0018	-.0361	-.0005	.0193	.0028	-.0221	.0018	-.0060	-.0036
Stddev	.0001	.0045	.0007	.0032	.0011	.0046	.0033	.0076	.0028
%RSD	3.438	12.37	131.9	16.32	39.75	20.62	183.9	125.3	77.40
#1	-.0018	-.0412	-.0001	.0162	.0035	-.0268	.0007	.0009	-.0026
#2	-.0018	-.0332	-.0001	.0225	.0034	-.0177	.0055	-.0141	-.0014
#3	-.0019	-.0338	-.0013	.0192	.0015	-.0219	-.0008	-.0050	-.0067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 9/13/2022 14:38:36 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0039**	**-.0012**	**-.0005**	**-.0015**	**.0004**	**.0077**	**.0029**	**-.0047**
Stddev	.0034	.0000	.0001	.0055	.0004	.0019	.0001	.0002
%RSD	86.66	3.789	20.60	374.5	96.07	24.24	3.224	4.400
#1	-.0077	-.0013	-.0004	.0048	-.0000	.0081	.0030	-.0049
#2	-.0028	-.0012	-.0005	-.0056	.0008	.0093	.0028	-.0049
#3	-.0012	-.0013	-.0005	-.0036	.0005	.0056	.0029	-.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4065.4**	**53774.**	**10250.**	**1575.0**
Stddev	8.6	139.	20.	6.0
%RSD	.21038	.25796	.19829	.38308
#1	4055.7	53773.	10247.	1569.0
#2	4069.0	53914.	10232.	1575.0
#3	4071.6	53636.	10272.	1581.0

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/13/2022 14:43:44 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9958**	**484.2**	**.9843**	**.4610**	**.4518**	**.4664**	**.4790**	**365.0**	**.9959**
Stddev	.0044	1.1	.0009	.0009	.0011	.0008	.0028	.1	.0011
%RSD	.4389	.2179	.0963	.1872	.2502	.1637	.5822	.0226	.1065
#1	1.001	485.4	.9847	.4600	.4531	.4672	.4765	365.0	.9971
#2	.9927	483.6	.9849	.4612	.4510	.4657	.4820	365.1	.9955
#3	.9938	483.5	.9832	.4617	.4512	.4664	.4785	365.0	.9951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6417**	**.4646**	**.4650**	**.4991**	**188.0**	**.1445**	**.4963**	**476.5**	**.4870**
Stddev	.0015	.0013	.0006	.0025	.3	.0053	.0024	.8	.0009
%RSD	.2269	.2729	.1308	.4919	.1701	3.689	.4876	.1705	.1913
#1	.6411	.4659	.4644	.5013	188.2	.1439	.4990	476.5	.4881
#2	.6406	.4634	.4656	.4997	187.6	.1501	.4954	475.7	.4867
#3	.6434	.4645	.4650	.4965	188.1	.1394	.4945	477.3	.4863
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4518**	**-.0279**	**.8933**	**.4584**	**.9117**	**.4373**	**1.006**	**.8635**	**.5880**
Stddev	.0015	.0058	.0012	.0013	.0025	.0024	.002	.0025	.0025
%RSD	.3392	20.71	.1332	.2906	.2713	.5469	.2115	.2942	.4220
#1	.4529	-.0338	.8946	.4569	.9088	.4393	1.008	.8639	.5887
#2	.4525	-.0274	.8922	.4589	.9130	.4379	1.006	.8659	.5901
#3	.4501	-.0223	.8930	.4594	.9132	.4347	1.003	.8608	.5853
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/13/2022 14:43:44 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4468**	**.4531**	**.4840**	**.8178**	**.4814**	**.4615**	**.9374**	**.4218**
Stddev	.0022	.0018	.0004	.0024	.0012	.0019	.0010	.0006
%RSD	.4999	.4051	.0907	.2987	.2481	.4010	.1041	.1421
#1	.4472	.4546	.4842	.8187	.4827	.4601	.9381	.4225
#2	.4488	.4510	.4843	.8196	.4813	.4636	.9380	.4218
#3	.4444	.4536	.4835	.8150	.4803	.4608	.9363	.4213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4075.3**	**53995.**	**10321.**	**1579.8**
Stddev	2.6	68.	35.	3.3
%RSD	.06288	.12665	.33648	.20676
#1	4074.4	53921.	10354.	1583.5
#2	4073.4	54008.	10325.	1577.4
#3	4078.2	54056.	10285.	1578.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 14:48:38 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2452**	**38.35**	**1.965**	**1.980**	**1.926**	**1.963**	**1.974**	**38.61**	**1.961**
Stddev	.0006	.09	.010	.008	.002	.004	.003	.07	.002
%RSD	.2274	.2284	.4983	.4069	.1070	.2273	.1269	.1886	.0754
#1	.2446	38.45	1.956	1.974	1.926	1.968	1.975	38.69	1.963
#2	.2457	38.32	1.965	1.976	1.928	1.964	1.971	38.58	1.960
#3	.2453	38.28	1.975	1.989	1.924	1.959	1.976	38.56	1.960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.998**	**1.978**	**1.987**	**1.889**	**39.35**	**37.94**	**1.932**	**38.61**	**2.000**
Stddev	.005	.003	.002	.005	.09	.08	.004	.17	.004
%RSD	.2512	.1710	.1058	.2507	.2264	.2137	.2276	.4503	.2044
#1	1.999	1.976	1.988	1.884	39.41	38.02	1.933	38.61	1.999
#2	2.002	1.982	1.988	1.894	39.39	37.92	1.936	38.78	2.004
#3	1.992	1.975	1.984	1.891	39.25	37.86	1.927	38.43	1.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**38.51**	**1.968**	**1.902**	**2.006**	**1.934**	**1.990**	**1.914**	**5.213**
Stddev	.010	.07	.001	.018	.004	.005	.008	.016	.012
%RSD	.4862	.1874	.0359	.9252	.2251	.2782	.3933	.8233	.2229
#1	1.994	38.58	1.967	1.919	2.002	1.928	1.981	1.900	5.208
#2	2.004	38.52	1.968	1.903	2.011	1.937	1.993	1.910	5.204
#3	2.013	38.44	1.969	1.884	2.006	1.938	1.996	1.931	5.226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 14:48:38 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**1.924**	**1.998**	**1.950**	**1.965**	**2.005**	**1.996**	**1.993**
Stddev	.008	.004	.001	.089	.003	.005	.007	.002
%RSD	.4035	.2082	.0534	4.542	.1633	.2324	.3629	.0885
#1	2.009	1.925	1.998	1.858	1.962	1.999	1.988	1.991
#2	2.018	1.927	1.998	1.956	1.968	2.007	1.998	1.995
#3	2.026	1.919	1.996	2.035	1.964	2.008	2.003	1.994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4576.9**	**58129.**	**10453.**	**1690.3**
Stddev	5.2	170.	46.	2.0
%RSD	.11383	.29274	.43764	.12024
#1	4576.0	58086.	10400.	1688.7
#2	4572.2	57984.	10478.	1689.5
#3	4582.5	58316.	10480.	1692.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 14:53:27 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0109**	**-.0001**	**.0021**	**.0001**	**.0000**	**-.0006**	**-.0026**
Stddev	.0001	.0037	.0020	.0007	.0001	.0001	.0007	.0024
%RSD	4.877	34.31	2002.	35.76	76.31	299.5	121.7	90.54
#1	-.0011	-.0084	.0017	.0015	.0000	.0001	-.0015	-.0020
#2	-.0010	-.0090	-.0022	.0029	.0001	.0001	-.0001	-.0052
#3	-.0010	-.0151	.0002	.0018	.0001	-.0001	-.0003	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0004**	**-.0001**	**-.0002**	**-.0005**	**.0061**	**.0000**	**.0004**
Stddev	.0003	.0006	.0004	.0003	.0002	.0007	.0202	.0008
%RSD	288.2	168.6	265.3	144.9	39.98	12.02	222000.	212.5
#1	.0003	-.0003	.0001	-.0005	-.0003	.0058	.0111	-.0000
#2	.0001	.0006	-.0006	.0001	-.0007	.0070	.0122	.0013
#3	-.0002	.0008	.0001	-.0002	-.0006	.0056	-.0233	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0261**	**.0001**	**.0005**	**-.0015**	**.0003**	**.0094**	**-.0001**	**-.0019**
Stddev	.0192	.0001	.0005	.0060	.0002	.0019	.0011	.0046
%RSD	73.45	153.2	110.8	401.9	56.16	20.50	1762.	247.0
#1	.0042	.0001	.0001	-.0068	.0002	.0077	.0009	.0015
#2	.0401	.0000	.0011	.0049	.0002	.0089	.0001	.0000
#3	.0340	-.0000	.0003	-.0026	.0005	.0114	-.0012	-.0071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 14:53:27 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0023**	**.0006**	**-.0017**	**.0001**	**.0002**	F **-.0030**	**.0002**
Stddev	.0009	.0024	.0004	.0002	.0000	.0002	.0012	.0003
%RSD	318.8	103.3	70.97	13.95	18.91	91.26	39.05	139.5
#1	.0005	-.0041	.0010	-.0015	.0001	.0004	-.0026	-.0001
#2	-.0012	-.0032	.0007	-.0019	.0001	.0001	-.0021	.0002
#3	-.0001	.0004	.0001	-.0018	.0001	.0001	-.0044	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0019	
Low Limit							-.0019	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0018**	**-.0004**	**-.0001**
Stddev	.0008	.0003	.0001
%RSD	47.14	65.34	210.5
#1	.0009	-.0005	-.0001
#2	.0019	-.0001	.0001
#3	.0026	-.0007	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5018.2**	**60173.**	**10511.**	**1740.6**
Stddev	9.4	88.	3.	2.0
%RSD	.18777	.14585	.03231	.11644
#1	5026.1	60208.	10515.	1741.0
#2	5020.8	60073.	10510.	1738.4
#3	5007.8	60238.	10509.	1742.4

Zoom In Zoom Out

Sample Name: mp35042-mb1conf Acquired: 9/13/2022 14:58:39 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0004**	**.0008**	**.0015**	**-.0001**	**.0000**	**-.0006**	**.0006**	**.0001**
Stddev	.0003	.0064	.0010	.0004	.0001	.0001	.0009	.0021	.0000
%RSD	29.78	1681.	124.2	27.14	207.3	341.5	140.9	321.3	25.80
#1	-.0006	-.0003	.0009	.0018	-.0001	-.0000	-.0014	.0002	.0001
#2	-.0011	.0071	-.0003	.0011	.0001	.0001	.0003	.0029	.0002
#3	-.0011	-.0056	.0017	.0018	-.0002	.0000	-.0009	-.0012	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**-.0002**	**-.0007**	**.0038**	**-.0154**	**.0008**	**.0223**	**.0001**
Stddev	.0006	.0003	.0001	.0006	.0008	.0112	.0005	.0170	.0000
%RSD	3427.	394.8	84.73	85.28	19.93	72.92	58.83	76.40	11.51
#1	.0006	.0001	-.0002	-.0000	.0042	-.0276	.0004	.0043	.0001
#2	-.0000	.0001	-.0003	-.0010	.0043	-.0057	.0013	.0243	.0001
#3	-.0005	-.0004	-.0000	-.0012	.0029	-.0128	.0007	.0382	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0017**	**.0001**	**.0114**	**-.0014**	**-.0046**	**-.0004**	**-.0016**	**.0150**
Stddev	.0002	.0013	.0003	.0007	.0004	.0055	.0005	.0025	.0003
%RSD	92.00	73.59	390.5	6.279	32.89	118.6	120.7	154.6	1.753
#1	.0001	.0027	.0004	.0106	-.0011	-.0088	-.0009	-.0012	.0152
#2	.0005	.0021	.0001	.0118	-.0011	-.0066	-.0005	-.0042	.0151
#3	.0001	.0003	-.0002	.0119	-.0019	.0016	.0001	.0007	.0147

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**.0001**	**-.0012**	**.0002**	**.0009**	**.0021**	**.0002**
Stddev	.0005	.0000	.0003	.0009	.0003	.0015	.0003	.0002
%RSD	183.9	346.4	638.2	76.27	169.5	165.3	14.80	120.9
#1	-.0008	-.0000	-.0003	-.0011	.0001	.0008	.0020	.0003
#2	.0001	.0000	.0003	-.0003	-.0001	.0024	.0024	-.0000
#3	-.0001	.0000	.0002	-.0021	.0004	-.0006	.0018	.0002

Zoom In Zoom Out

Sample Name: mp35042-mb1conf Acquired: 9/13/2022 14:58:39 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5064.7**	**60741.**	**10751.**	**1749.9**
Stddev	33.4	138.	18.	12.2
%RSD	.65995	.22669	.16965	.69472
#1	5041.8	60795.	10764.	1743.0
#2	5049.2	60585.	10730.	1742.8
#3	5103.1	60844.	10758.	1764.0

Zoom In Zoom Out

Sample Name: jd51212-6 Acquired: 9/13/2022 15:03:49 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0097**	**-.0379**	**.0516**	**.1260**	**.0046**	**-.0004**	**-.0280**	**180.4**	**.0023**
Stddev	.0046	.1433	.0172	.0115	.0014	.0005	.0046	.6	.0019
%RSD	47.14	378.4	33.34	9.135	29.83	118.4	16.55	.3318	85.28
#1	-.0098	-.1306	.0401	.1392	.0041	-.0006	-.0313	180.3	.0044
#2	-.0051	-.1103	.0714	.1181	.0061	-.0009	-.0227	181.0	.0018
#3	-.0142	.1272	.0434	.1206	.0035	.0001	-.0301	179.8	.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9728**	**.0210**	**-.0006**	**-.0072**	**22.34**	**3.894**	**.0178**	**653.5**	**15.38**
Stddev	.0348	.0019	.0014	.0028	.11	.097	.0087	1.0	.04
%RSD	3.576	8.978	236.4	39.29	.5098	2.484	48.79	.1466	.2580
#1	.9831	.0230	-.0015	-.0071	22.35	3.830	.0252	652.8	15.40
#2	.9340	.0207	-.0013	-.0102	22.45	3.848	.0200	654.6	15.33
#3	1.001	.0192	.0010	-.0045	22.22	4.006	.0082	653.1	15.40

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**9.737**	**.0223**	**1.003**	**-.0136**	**707.9**	**.0039**	**-.0348**	**9.402**
Stddev	.0055	.104	.0041	.007	.0058	4.6	.0073	.0202	.036
%RSD	121.7	1.068	18.40	.6781	42.57	.6453	188.1	58.10	.3827
#1	.0105	9.784	.0222	1.001	-.0151	710.7	-.0045	-.0422	9.371
#2	-.0003	9.809	.0265	1.011	-.0072	710.4	.0087	-.0119	9.442
#3	.0034	9.618	.0183	.9979	-.0185	702.6	.0073	-.0503	9.393

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0123**	**.2413**	**-.0047**	**-.0073**	**.0102**	**.0239**	**.0266**	**.0012**
Stddev	.0118	.0011	.0041	.0103	.0026	.0068	.0014	.0019
%RSD	95.32	.4443	88.13	140.4	26.01	28.47	5.390	157.5
#1	-.0105	.2425	-.0003	-.0178	.0125	.0285	.0260	.0026
#2	-.0016	.2406	-.0084	-.0070	.0107	.0271	.0255	.0019
#3	-.0249	.2407	-.0053	.0028	.0073	.0161	.0282	-.0009

Zoom In Zoom Out

Sample Name: jd51212-6 Acquired: 9/13/2022 15:03:49 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4791.1**	**58897.**	**10425.**	**1702.1**
Stddev	7.6	207.	63.	9.1
%RSD	.15919	.35133	.60244	.53653
#1	4782.4	58837.	10398.	1694.8
#2	4796.5	59128.	10380.	1699.3
#3	4794.4	58727.	10497.	1712.4

Zoom In Zoom Out

Sample Name: jd51212-6f Acquired: 9/13/2022 15:08:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0094**	**-.0338**	**.0303**	**.1279**	**-.0017**	**-.0004**	**.0041**	**214.1**	**.0044**
Stddev	.0045	.0775	.0148	.0019	.0011	.0008	.0150	2.6	.0034
%RSD	47.65	229.0	48.93	1.465	66.12	235.0	362.2	1.219	77.08
#1	-.0126	.0520	.0214	.1259	-.0029	-.0001	-.0110	216.7	.0037
#2	-.0043	-.0547	.0220	.1295	-.0008	.0003	.0189	214.1	.0014
#3	-.0115	-.0988	.0474	.1283	-.0013	-.0013	.0045	211.5	.0081

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.173**	**.0033**	**-.0036**	**-.0057**	**1.561**	**4.166**	**.0132**	**717.3**	**18.53**
Stddev	.047	.0044	.0047	.0041	.019	.104	.0114	7.4	.12
%RSD	3.979	131.5	130.9	72.21	1.201	2.490	85.89	1.038	.6581
#1	1.222	-.0003	-.0069	-.0048	1.570	4.064	.0164	724.2	18.67
#2	1.129	.0021	.0018	-.0102	1.574	4.271	.0226	718.2	18.51
#3	1.167	.0082	-.0056	-.0021	1.540	4.164	.0006	709.4	18.43

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**10.60**	**.0081**	**.1670**	**-.0089**	**753.8**	**-.0033**	**-.0004**	**9.814**
Stddev	.0039	.19	.0050	.0200	.0108	.7	.0118	.0258	.031
%RSD	92.42	1.749	62.08	11.98	121.5	.0921	360.4	6879.	.3151
#1	.0020	10.76	.0090	.1440	-.0177	754.6	.0103	.0156	9.798
#2	.0018	10.65	.0027	.1777	.0032	753.6	-.0113	.0133	9.794
#3	.0086	10.39	.0125	.1795	-.0122	753.2	-.0088	-.0301	9.849

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0160**	**.2765**	**-.0036**	**-.0151**	**.0050**	**.0250**	**.0101**	**.0028**
Stddev	.0042	.0040	.0036	.0105	.0019	.0031	.0005	.0017
%RSD	25.97	1.451	99.60	69.87	37.39	12.25	5.375	61.96
#1	-.0121	.2800	-.0016	-.0030	.0044	.0237	.0104	.0044
#2	-.0156	.2775	-.0077	-.0200	.0035	.0285	.0094	.0030
#3	-.0204	.2721	-.0014	-.0222	.0071	.0228	.0103	.0010

Zoom In Zoom Out

Sample Name: jd51212-6f Acquired: 9/13/2022 15:08:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4769.3**	**58879.**	**10453.**	**1688.4**
Stddev	5.0	117.	31.	2.2
%RSD	.10555	.19862	.29833	.13171
#1	4768.1	58811.	10458.	1690.7
#2	4765.0	58811.	10420.	1686.3
#3	4774.8	59014.	10482.	1688.2

Zoom In Zoom Out

Sample Name: mp35044-sd1 Acquired: 9/13/2022 15:14:01 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0041**	**.9100**	**.0027**	**.4261**	**.0331**	**-.0000**	**-.0095**	**150.7**	**-.0001**
Stddev	.0026	.0435	.0064	.0075	.0005	.0002	.0051	.6	.0010
%RSD	63.85	4.780	232.6	1.772	1.517	488.6	53.83	.4262	1465.
#1	-.0051	.8932	-.0025	.4252	.0332	-.0001	-.0152	151.4	-.0010
#2	-.0061	.8774	.0098	.4341	.0326	-.0003	-.0076	150.3	.0009
#3	-.0011	.9594	.0009	.4191	.0335	.0002	-.0055	150.4	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0413**	**.0015**	**.0030**	**.0022**	**2.537**	**4.982**	**.0118**	**36.79**	**.1664**
Stddev	.0072	.0007	.0029	.0031	.007	.075	.0039	.11	.0003
%RSD	17.32	44.53	96.65	143.5	.2746	1.511	32.94	.2946	.1929
#1	.0493	.0008	.0022	-.0011	2.544	5.037	.0102	36.82	.1667
#2	.0394	.0021	.0062	.0051	2.537	4.896	.0162	36.88	.1661
#3	.0353	.0015	.0005	.0025	2.530	5.013	.0090	36.67	.1665

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046**	**125.4**	**.0019**	**.0870**	**-.0047**	**153.8**	**-.0056**	**-.0187**	**7.269**
Stddev	.0011	.2	.0026	.0083	.0104	.3	.0060	.0012	.024
%RSD	24.51	.1529	137.6	9.569	222.1	.2056	107.4	6.466	.3242
#1	.0056	125.4	.0046	.0780	.0055	153.5	.0013	-.0174	7.242
#2	.0046	125.1	.0015	.0944	-.0153	154.0	-.0096	-.0198	7.277
#3	.0034	125.5	-.0005	.0886	-.0042	154.0	-.0085	-.0189	7.287

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0090**	**.3810**	**.0551**	**-.0023**	**.0055**	**.0148**	**.0395**	**.0001**
Stddev	.0036	.0013	.0026	.0061	.0022	.0007	.0012	.0000
%RSD	39.55	.3497	4.756	269.7	40.22	4.685	2.938	14.08
#1	-.0069	.3801	.0526	.0031	.0046	.0140	.0405	.0001
#2	-.0131	.3825	.0578	-.0089	.0081	.0149	.0397	.0001
#3	-.0070	.3803	.0547	-.0009	.0039	.0154	.0382	.0001

Zoom In Zoom Out

Sample Name: mp35044-sd1 Acquired: 9/13/2022 15:14:01 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4807.1**	**59099.**	**10536.**	**1700.8**
Stddev	8.3	124.	39.	4.7
%RSD	.17184	.20941	.37121	.27527
#1	4814.2	59197.	10491.	1705.6
#2	4808.9	59139.	10565.	1700.6
#3	4798.0	58960.	10551.	1696.2

Zoom In Zoom Out

Sample Name: jd51279-3 1 Acquired: 9/13/2022 15:19:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**.5501**	**.0570**	**1.228**	**.1799**	**-.0000**	**-.0019**	**235.0**	**.0003**
Stddev	.0010	.0150	.0032	.002	.0002	.0001	.0030	.5	.0002
%RSD	18.80	2.726	5.619	.1812	.1303	7368.	154.8	.1986	56.67
#1	.0043	.5672	.0602	1.226	.1799	-.0001	-.0039	235.2	.0002
#2	.0063	.5390	.0571	1.227	.1801	.0002	-.0033	235.3	.0003
#3	.0058	.5441	.0538	1.230	.1796	-.0000	.0015	234.4	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1483**	**.0017**	**.0026**	**.0131**	**9.887**	**86.18**	**.0540**	**278.6**	**1.771**
Stddev	.0030	.0003	.0005	.0005	.024	.23	.0009	.3	.005
%RSD	2.034	15.83	21.07	3.485	.2456	.2612	1.718	.1210	.2829
#1	.1511	.0016	.0028	.0126	9.868	85.95	.0544	278.7	1.775
#2	.1451	.0014	.0029	.0134	9.914	86.40	.0547	278.9	1.772
#3	.1488	.0019	.0019	.0134	9.878	86.19	.0530	278.2	1.765

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	F **2134.**	**.0100**	**.3572**	**-.0035**	F **254.5**	**-.0005**	**-.0029**	**10.51**
Stddev	.0008	14.	.0011	.0057	.0011	.9	.0021	.0014	.02
%RSD	20.11	.6752	10.55	1.591	30.87	.3369	390.5	49.33	.1850
#1	.0033	2119.	.0112	.3506	-.0024	254.1	-.0028	-.0036	10.53
#2	.0035	2147.	.0098	.3607	-.0035	253.8	.0014	-.0013	10.50
#3	.0048	2137.	.0091	.3602	-.0046	255.4	-.0002	-.0039	10.51

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0070**	**2.663**	**-.0013**	**.0076**	**.0035**	**.0176**	**.1016**	**-.0009**
Stddev	.0010	.004	.0008	.0048	.0009	.0009	.0004	.0004
%RSD	14.95	.1677	62.74	62.84	24.77	5.318	.4321	41.49
#1	-.0068	2.661	-.0005	.0082	.0026	.0165	.1012	-.0013
#2	-.0081	2.669	-.0013	.0026	.0043	.0183	.1020	-.0007
#3	-.0060	2.660	-.0021	.0121	.0035	.0179	.1018	-.0007

Zoom In Zoom Out

Sample Name: jd51279-3 1 Acquired: 9/13/2022 15:19:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3879.9**	**53351.**	**10129.**	**1516.4**
Stddev	5.4	61.	10.	2.3
%RSD	.13913	.11500	.09756	.14954
#1	3881.5	53369.	10118.	1516.4
#2	3884.4	53283.	10138.	1518.7
#3	3873.9	53401.	10130.	1514.2

Zoom In Zoom Out

Sample Name: jd51348-1 1 Acquired: 9/13/2022 15:24:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**-.0237**	**.0250**	**1.607**	**.2434**	**.0003**	**-.0081**	**250.2**	**-.0025**
Stddev	.0015	.0868	.0167	.007	.0005	.0007	.0087	.2	.0020
%RSD	28.22	366.0	66.72	.4116	.2084	234.7	107.7	.0915	81.12
#1	.0046	.0609	.0139	1.615	.2433	-.0003	-.0175	250.4	-.0015
#2	.0044	-.1125	.0169	1.604	.2429	.0010	-.0002	250.2	-.0048
#3	.0071	-.0195	.0442	1.603	.2439	.0001	-.0066	249.9	-.0011

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0495**	**-.0052**	**.0007**	**.0095**	**.1614**	**190.8**	**.1239**	**395.0**	**.0271**
Stddev	.0134	.0033	.0077	.0030	.0171	.7	.0069	.9	.0009
%RSD	27.11	62.99	1069.	31.54	10.59	.3777	5.530	.2322	3.247
#1	.0346	-.0090	-.0080	.0061	.1419	191.6	.1298	395.3	.0265
#2	.0605	-.0034	.0037	.0116	.1736	190.6	.1255	395.7	.0281
#3	.0535	-.0032	.0064	.0108	.1687	190.3	.1164	394.0	.0268

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0165**	F **4917.**	**-.0071**	**.1813**	**-.0090**	**462.1**	**-.0043**	**-.0259**	**1.986**
Stddev	.0008	40.	.0040	.0131	.0182	1.1	.0282	.0105	.018
%RSD	4.808	.8177	56.33	7.216	203.0	.2281	650.4	40.56	.9194
#1	.0156	4942.	-.0038	.1809	.0074	462.8	-.0201	-.0270	1.981
#2	.0167	4939.	-.0060	.1946	-.0286	460.9	.0283	-.0359	2.006
#3	.0171	4871.	-.0115	.1685	-.0057	462.6	-.0212	-.0149	1.970

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0306**	**3.412**	**-.0066**	**-.0073**	**-.0020**	**.0224**	**.0227**	**-.0021**
Stddev	.0061	.011	.0025	.0230	.0018	.0157	.0025	.0017
%RSD	19.95	.3185	37.39	317.3	89.91	70.01	11.12	77.57
#1	-.0250	3.424	-.0047	-.0338	-.0028	.0259	.0246	-.0026
#2	-.0371	3.409	-.0057	.0074	-.0032	.0053	.0235	-.0003
#3	-.0297	3.404	-.0094	.0046	.0001	.0362	.0198	-.0036

Zoom In Zoom Out

Sample Name: jd51348-1 1 Acquired: 9/13/2022 15:24:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4211.2**	**55489.**	**10274.**	**1603.2**
Stddev	5.7	79.	62.	2.8
%RSD	.13481	.14175	.60508	.17658
#1	4204.9	55575.	10268.	1601.7
#2	4216.0	55420.	10214.	1606.5
#3	4212.7	55472.	10338.	1601.4

Zoom In Zoom Out

Sample Name: mp35049-mb1conf Acquired: 9/13/2022 15:29:32 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**-.0015**	**.0008**	**.0021**	**.0006**	**-.0001**	**-.0007**	**.0143**	**-.0000**
Stddev	.0001	.0012	.0011	.0014	.0002	.0001	.0015	.0013	.0000
%RSD	7.271	83.38	134.5	64.19	31.61	123.0	214.3	8.788	117.6
#1	-.0015	-.0028	-.0003	.0032	.0005	-.0001	.0010	.0157	.0000
#2	-.0015	-.0012	.0019	.0006	.0005	.0000	-.0012	.0136	-.0000
#3	-.0013	-.0004	.0009	.0026	.0008	-.0001	-.0018	.0134	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0030**	**.0000**	**-.0003**	**-.0004**	**.0109**	**.0481**	**.0022**	**.0281**	**.0002**
Stddev	.0035	.0003	.0003	.0004	.0005	.0269	.0005	.0067	.0001
%RSD	114.8	841.6	122.1	111.5	4.691	55.92	23.36	23.65	21.69
#1	.0058	.0001	-.0005	-.0008	.0112	.0689	.0017	.0283	.0003
#2	.0041	.0003	-.0005	.0001	.0112	.0578	.0022	.0214	.0002
#3	-.0009	-.0003	.0001	-.0004	.0103	.0177	.0027	.0347	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.1202**	**-.0002**	**.0105**	**-.0008**	**.0049**	**.0018**	**-.0019**	**.0190**
Stddev	.0003	.0031	.0003	.0017	.0012	.0023	.0014	.0022	.0009
%RSD	76.97	2.595	152.9	16.09	160.5	45.92	79.63	117.8	4.941
#1	.0007	.1238	.0001	.0089	-.0007	.0047	.0002	-.0007	.0181
#2	.0001	.1187	-.0006	.0103	-.0020	.0073	.0028	-.0044	.0190
#3	.0004	.1181	-.0001	.0122	.0004	.0028	.0023	-.0005	.0199

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0000**	**.0002**	**-.0012**	**.0001**	**-.0011**	**.0011**	**-.0000**
Stddev	.0011	.0000	.0003	.0021	.0002	.0010	.0001	.0001
%RSD	84.03	146.5	143.4	172.8	305.6	95.11	9.554	204.6
#1	-.0013	.0000	.0006	.0000	.0002	.0001	.0012	.0000
#2	-.0024	-.0000	.0001	-.0000	.0002	-.0017	.0011	-.0001
#3	-.0002	.0001	-.0000	-.0036	-.0002	-.0017	.0011	-.0000

Zoom In Zoom Out

Sample Name: mp35049-mb1conf Acquired: 9/13/2022 15:29:32 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5037.1**	**60918.**	**10767.**	**1741.8**
Stddev	5.3	77.	45.	1.9
%RSD	.10609	.12674	.42074	.10822
#1	5036.0	60959.	10723.	1740.6
#2	5032.4	60967.	10813.	1740.8
#3	5042.9	60829.	10765.	1744.0

Zoom In Zoom Out

Sample Name: jd51290-1 7 Acquired: 9/13/2022 15:34:41 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.5777**	**.0113**	**2.168**	**.0321**	**-.0000**	**-.0121**	**85.96**	**-.0013**
Stddev	.0006	.0219	.0095	.007	.0005	.0000	.0080	.18	.0003
%RSD	182.2	3.783	84.53	.3221	1.608	90.32	66.62	.2073	20.04
#1	.0007	.5814	.0019	2.174	.0317	.0000	-.0030	86.10	-.0015
#2	-.0004	.5976	.0110	2.160	.0320	-.0001	-.0148	86.02	-.0014
#3	.0007	.5543	.0209	2.169	.0327	-.0001	-.0184	85.76	-.0010

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0168**	**-.0015**	**.0029**	**.0028**	**.0566**	**80.08**	**.0553**	**221.3**	**.0060**
Stddev	.0084	.0001	.0003	.0016	.0019	.19	.0051	.9	.0002
%RSD	50.11	7.466	10.67	56.09	3.312	.2423	9.142	.4228	3.511
#1	.0071	-.0015	.0026	.0027	.0555	80.29	.0503	221.8	.0058
#2	.0224	-.0015	.0032	.0045	.0556	80.05	.0604	221.8	.0059
#3	.0208	-.0017	.0028	.0014	.0588	79.90	.0551	220.2	.0062

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	F **2255.**	**.0009**	**.1132**	**-.0042**	**225.3**	**-.0023**	**.0011**	**5.749**
Stddev	.0010	12.	.0011	.0146	.0117	.3	.0051	.0110	.011
%RSD	43.86	.5430	121.4	12.89	279.5	.1396	216.4	1003.	.1823
#1	.0028	2249.	.0011	.1264	-.0050	225.5	-.0034	-.0115	5.747
#2	.0012	2248.	.0020	.0975	.0079	224.9	-.0068	.0063	5.740
#3	.0031	2269.	-.0003	.1156	-.0154	225.4	.0032	.0085	5.760

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**2.215**	**-.0052**	**.0035**	**.0022**	**.0095**	**.0189**	**-.0009**
Stddev	.0040	.003	.0012	.0098	.0016	.0036	.0009	.0002
%RSD	244.2	.1472	23.15	281.0	71.60	38.36	4.581	17.38
#1	.0010	2.214	-.0064	.0036	.0031	.0065	.0196	-.0011
#2	.0003	2.219	-.0053	-.0064	.0004	.0084	.0179	-.0008
#3	-.0062	2.213	-.0040	.0132	.0032	.0136	.0191	-.0009

Zoom In Zoom Out

Sample Name: jd51290-1 7 Acquired: 9/13/2022 15:34:41 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4250.1**	**55958.**	**10281.**	**1613.9**
Stddev	2.7	60.	37.	2.4
%RSD	.06458	.10764	.35924	.14934
#1	4252.9	55896.	10238.	1612.0
#2	4250.0	55961.	10304.	1616.6
#3	4247.4	56016.	10299.	1613.2

Zoom In Zoom Out

Sample Name: jd51290-2 Acquired: 9/13/2022 15:39:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0921**	**.0392**	**2.888**	**.0088**	**-.0001**	**-.0020**	**42.55**	**-.0012**
Stddev	.0011	.0548	.0028	.011	.0003	.0005	.0053	.37	.0006
%RSD	148.0	59.48	7.228	.3713	3.614	681.0	264.2	.8585	48.54
#1	-.0019	.0335	.0424	2.886	.0087	-.0003	-.0054	42.92	-.0019
#2	-.0008	.1008	.0375	2.879	.0085	-.0004	.0041	42.54	-.0010
#3	.0004	.1421	.0376	2.900	.0092	.0005	-.0048	42.19	-.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0144**	**-.0002**	**-.0045**	**.0043**	**.0429**	**83.25**	**.0427**	**230.5**	**-.0002**
Stddev	.0176	.0008	.0003	.0003	.0095	.43	.0043	1.2	.0001
%RSD	121.9	430.1	6.438	6.461	22.09	.5111	9.997	.5384	21.77
#1	-.0037	-.0011	-.0049	.0046	.0333	83.74	.0473	231.9	-.0002
#2	.0156	.0003	-.0043	.0041	.0431	83.03	.0388	230.1	-.0002
#3	.0315	.0003	-.0044	.0042	.0523	82.98	.0420	229.5	-.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1978**	F **1965.**	**-.0001**	**.0656**	**-.0086**	**299.9**	**.0057**	**-.0141**	**5.126**
Stddev	.0014	35.	.0001	.0100	.0019	.6	.0093	.0089	.017
%RSD	.7294	1.781	118.4	15.21	22.25	.2046	162.0	62.90	.3252
#1	.1980	2000.	-.0002	.0566	-.0097	300.6	-.0017	-.0211	5.108
#2	.1963	1930.	-.0002	.0640	-.0097	299.4	.0027	-.0041	5.140
#3	.1992	1964.	.0000	.0763	-.0064	299.8	.0162	-.0170	5.130

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0088**	**1.216**	**-.0016**	**-.0094**	**-.0009**	**.0065**	**.0190**	**-.0013**
Stddev	.0063	.007	.0035	.0082	.0020	.0044	.0015	.0010
%RSD	72.05	.6204	215.0	87.03	220.6	67.65	8.094	72.67
#1	-.0027	1.224	.0005	-.0159	.0013	.0017	.0205	-.0017
#2	-.0153	1.213	.0002	-.0002	-.0014	.0103	.0175	-.0021
#3	-.0082	1.210	-.0056	-.0122	-.0026	.0075	.0189	-.0002

Zoom In Zoom Out

Sample Name: jd51290-2 Acquired: 9/13/2022 15:39:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4306.4**	**56341.**	**10371.**	**1624.3**
Stddev	6.0	72.	53.	2.7
%RSD	.13940	.12782	.50755	.16606
#1	4301.9	56337.	10326.	1622.7
#2	4313.2	56271.	10429.	1627.4
#3	4304.1	56415.	10360.	1622.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 15:45:09 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2459**	**38.36**	**1.953**	**1.978**	**1.927**	**1.962**	**1.973**	**38.55**	**1.958**
Stddev	.0004	.12	.007	.000	.005	.006	.001	.05	.005
%RSD	.1621	.3176	.3825	.0126	.2473	.3070	.0679	.1290	.2524
#1	.2454	38.49	1.961	1.978	1.930	1.967	1.974	38.61	1.963
#2	.2461	38.32	1.948	1.978	1.929	1.963	1.973	38.52	1.957
#3	.2462	38.25	1.948	1.978	1.921	1.955	1.971	38.52	1.953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.011**	**1.978**	**1.990**	**1.898**	**39.31**	**37.94**	**1.944**	**38.38**	**2.001**
Stddev	.004	.002	.002	.002	.10	.16	.004	.07	.004
%RSD	.1909	.0909	.1032	.1265	.2441	.4151	.2051	.1900	.1736
#1	2.010	1.979	1.992	1.896	39.37	38.02	1.949	38.47	2.005
#2	2.015	1.979	1.990	1.897	39.36	38.05	1.943	38.35	1.998
#3	2.007	1.976	1.988	1.901	39.20	37.76	1.941	38.33	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.993**	**38.54**	**1.973**	**1.899**	**2.008**	**1.929**	**1.984**	**1.902**	**5.205**
Stddev	.003	.12	.002	.015	.004	.016	.004	.003	.004
%RSD	.1393	.3041	.0866	.8001	.2265	.8263	.2209	.1659	.0772
#1	1.994	38.60	1.975	1.881	2.012	1.918	1.986	1.902	5.201
#2	1.995	38.61	1.971	1.907	2.009	1.921	1.979	1.899	5.207
#3	1.990	38.40	1.974	1.908	2.003	1.947	1.987	1.906	5.208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 15:45:09 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.000**	**1.924**	**2.002**	**1.850**	**1.968**	**1.999**	**1.990**	**2.000**
Stddev	.003	.004	.002	.014	.004	.002	.003	.001
%RSD	.1617	.2080	.0982	.7278	.2122	.1102	.1401	.0378
#1	2.003	1.926	2.003	1.845	1.971	2.001	1.992	2.001
#2	2.001	1.927	2.002	1.839	1.963	1.999	1.990	1.999
#3	1.997	1.920	1.999	1.865	1.968	1.997	1.987	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4583.1**	**58279.**	**10572.**	**1695.2**
Stddev	8.4	32.	43.	1.5
%RSD	.18262	.05489	.40313	.08727
#1	4577.3	58247.	10530.	1693.5
#2	4592.7	58311.	10570.	1696.4
#3	4579.3	58280.	10615.	1695.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 15:49:57 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0113**	**-.0007**	**.0030**	**.0002**	**.0000**	**.0000**	**-.0066**	**.0001**
Stddev	.0002	.0124	.0003	.0003	.0002	.0000	.0014	.0036	.0003
%RSD	20.61	110.2	43.52	10.89	119.2	106.1	5722.	54.68	285.1
#1	-.0009	-.0251	-.0005	.0033	.0003	.0000	-.0003	-.0026	.0001
#2	-.0008	-.0078	-.0011	.0028	-.0001	.0001	.0015	-.0095	-.0002
#3	-.0006	-.0010	-.0006	.0027	.0004	.0000	-.0012	-.0077	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**.0000**	**-.0002**	**-.0004**	**.0042**	**.0017**	**.0008**	**.0226**	**.0001**
Stddev	.0033	.0002	.0002	.0002	.0017	.0121	.0011	.0029	.0000
%RSD	113.4	690.5	85.84	56.34	39.67	733.0	127.7	13.02	31.10
#1	.0058	-.0001	-.0003	-.0002	.0060	.0080	-.0004	.0257	.0001
#2	-.0007	-.0001	-.0000	-.0005	.0027	-.0123	.0014	.0222	.0001
#3	.0037	.0002	-.0003	-.0007	.0038	.0093	.0015	.0198	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0475**	**.0001**	**.0069**	**-.0008**	**-.0032**	**.0008**	**.0003**	**.0010**
Stddev	.0003	.0025	.0001	.0016	.0008	.0053	.0014	.0013	.0013
%RSD	56.38	5.242	267.9	23.10	109.4	165.8	176.9	464.5	129.6
#1	.0007	.0453	-.0000	.0078	.0001	-.0085	.0021	.0000	.0010
#2	.0003	.0471	.0002	.0050	-.0009	.0020	.0010	.0016	.0023
#3	.0003	.0502	-.0001	.0078	-.0015	-.0030	-.0007	-.0008	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 15:49:57 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**.0001**	**-.0003**	**.0001**	**.0003**	**.0013**	**-.0004**	**.0001**
Stddev	.0010	.0000	.0001	.0006	.0002	.0016	.0001	.0001
%RSD	84.80	31.28	20.31	547.1	58.46	123.4	32.93	113.1
#1	-.0021	.0001	-.0003	.0006	.0001	.0006	-.0003	.0001
#2	-.0014	.0001	-.0003	-.0006	.0005	.0002	-.0004	.0002
#3	-.0001	.0001	-.0002	.0004	.0004	.0032	-.0006	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5041.2**	**60440.**	**10593.**	**1741.0**
Stddev	2.8	179.	47.	.3
%RSD	.05591	.29667	.44321	.01748
#1	5042.6	60460.	10583.	1741.3
#2	5043.0	60252.	10644.	1740.8
#3	5038.0	60609.	10551.	1740.7

Zoom In Zoom Out

Sample Name: jd51290-3 Acquired: 9/13/2022 15:55:09 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0126**	**.0526**	**.0181**	**8.269**	**.0493**	**.0001**	**-.0077**	**186.8**	**.0006**
Stddev	.0008	.0051	.0044	.033	.0014	.0002	.0063	.7	.0012
%RSD	6.351	9.745	24.34	.3999	2.933	339.2	82.37	.3884	189.6
#1	.0117	.0507	.0150	8.299	.0509	-.0001	-.0061	187.3	.0004
#2	.0132	.0583	.0231	8.234	.0483	-.0001	-.0023	187.1	.0019
#3	.0130	.0486	.0162	8.276	.0486	.0003	-.0147	186.0	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0578**	**-.0008**	**.0036**	**.0061**	**2.996**	**220.8**	**.1257**	**755.1**	**.0271**
Stddev	.0151	.0013	.0044	.0021	.017	1.0	.0047	3.4	.0005
%RSD	26.19	165.1	122.7	34.36	.5726	.4571	3.712	.4535	1.929
#1	.0751	.0005	-.0014	.0042	2.999	221.9	.1306	758.1	.0267
#2	.0510	-.0008	.0055	.0083	2.978	220.5	.1213	755.8	.0277
#3	.0473	-.0021	.0066	.0056	3.012	220.0	.1252	751.3	.0269

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0196**	F **6687.**	**.0258**	**.1153**	**-.0018**	**396.5**	**.0008**	**.0016**	**6.675**
Stddev	.0022	78.	.0023	.0047	.0061	1.4	.0035	.0032	.030
%RSD	11.42	1.160	9.031	4.096	334.6	.3469	436.4	196.6	.4575
#1	.0212	6775.	.0260	.1098	-.0079	397.8	.0018	.0050	6.706
#2	.0170	6653.	.0280	.1183	.0043	395.0	.0037	.0011	6.645
#3	.0205	6632.	.0233	.1177	-.0018	396.6	-.0031	-.0013	6.675

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0105**	**6.931**	**-.0029**	**.0056**	**-.0002**	**.0284**	**.0110**	**.0001**
Stddev	.0042	.032	.0009	.0084	.0014	.0049	.0016	.0007
%RSD	40.10	.4596	30.18	150.4	600.1	17.39	14.49	1148.
#1	-.0077	6.966	-.0028	.0150	-.0018	.0331	.0092	.0003
#2	-.0085	6.921	-.0021	.0030	.0003	.0233	.0122	-.0007
#3	-.0153	6.905	-.0039	-.0012	.0009	.0287	.0116	.0006

Zoom In Zoom Out

Sample Name: jd51290-3 Acquired: 9/13/2022 15:55:09 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3847.5**	**52923.**	**10162.**	**1515.6**
Stddev	5.7	78.	11.	4.3
%RSD	.14715	.14717	.11083	.28417
#1	3845.2	52834.	10150.	1517.2
#2	3843.4	52975.	10163.	1518.8
#3	3854.0	52961.	10172.	1510.7

Zoom In Zoom Out

Sample Name: jd51290-4 Acquired: 9/13/2022 16:00:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0073**	**.0113**	**2.116**	**.0309**	**-.0001**	**-.0075**	**82.76**	**-.0004**
Stddev	.0018	.0438	.0080	.015	.0005	.0002	.0005	.22	.0031
%RSD	1868.	597.2	71.35	.6843	1.615	329.6	6.899	.2640	723.4
#1	-.0018	-.0455	.0049	2.101	.0311	-.0001	-.0071	83.01	.0032
#2	.0003	.0405	.0203	2.116	.0304	.0002	-.0074	82.67	-.0024
#3	.0018	-.0170	.0086	2.130	.0313	-.0003	-.0081	82.61	-.0021

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0247**	**-.0024**	**-.0004**	**.0021**	**.0541**	**77.10**	**.0620**	**213.0**	**.0056**
Stddev	.0076	.0013	.0009	.0018	.0079	.12	.0029	.9	.0001
%RSD	30.56	53.25	240.1	86.01	14.60	.1586	4.634	.4154	2.112
#1	.0191	-.0027	-.0004	.0003	.0450	77.23	.0595	214.0	.0055
#2	.0333	-.0010	-.0013	.0021	.0591	77.09	.0613	212.7	.0056
#3	.0218	-.0035	.0006	.0039	.0581	76.99	.0651	212.4	.0057

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	F **2153.**	**-.0011**	**.0975**	**-.0038**	**217.5**	**-.0017**	**-.0057**	**5.527**
Stddev	.0010	29.	.0029	.0126	.0021	.6	.0013	.0029	.021
%RSD	878.1	1.330	270.7	12.91	55.68	.2866	76.06	50.63	.3816
#1	-.0002	2162.	.0023	.0913	-.0018	216.8	-.0005	-.0024	5.503
#2	.0012	2121.	-.0030	.0892	-.0060	217.9	-.0031	-.0068	5.542
#3	-.0007	2176.	-.0024	.1120	-.0036	217.8	-.0015	-.0080	5.536

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0055**	**2.119**	**-.0021**	**-.0005**	**.0021**	**.0114**	**.0112**	**-.0005**
Stddev	.0069	.003	.0018	.0100	.0013	.0034	.0013	.0002
%RSD	124.9	.1624	89.22	2153.	62.40	29.84	11.44	43.09
#1	-.0061	2.123	-.0038	-.0121	.0008	.0123	.0120	-.0003
#2	-.0121	2.117	-.0001	.0055	.0022	.0077	.0120	-.0004
#3	.0017	2.116	-.0023	.0051	.0034	.0143	.0097	-.0008

Zoom In Zoom Out

Sample Name: jd51290-4 Acquired: 9/13/2022 16:00:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4271.8**	**56182.**	**10351.**	**1618.3**
Stddev	.7	211.	98.	4.5
%RSD	.01701	.37631	.94939	.28061
#1	4271.0	55948.	10245.	1623.6
#2	4271.9	56359.	10439.	1616.0
#3	4272.4	56238.	10368.	1615.4

Zoom In Zoom Out

Sample Name: mp35047-mb1conf Acquired: 9/13/2022 16:05:34 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0007**	**-.0005**	**.0036**	**-.0001**	**-.0000**	**-.0011**	**.0094**	**.0000**
Stddev	.0003	.0036	.0008	.0011	.0000	.0000	.0015	.0011	.0002
%RSD	46.34	543.1	172.1	30.18	71.03	229.8	141.9	11.36	2667.
#1	-.0003	-.0021	-.0008	.0048	-.0000	.0000	.0006	.0084	-.0000
#2	-.0010	-.0033	.0005	.0033	-.0000	-.0000	-.0022	.0105	-.0002
#3	-.0009	.0035	-.0010	.0027	-.0001	-.0000	-.0016	.0094	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0000**	**-.0000**	**-.0006**	**.0049**	**.0431**	**.0029**	**.0213**	**.0001**
Stddev	.0017	.0002	.0003	.0001	.0019	.0125	.0004	.0092	.0000
%RSD	332.8	617.1	3859.	17.61	39.80	29.03	14.18	43.17	35.28
#1	-.0015	-.0002	.0001	-.0007	.0033	.0570	.0027	.0119	.0001
#2	.0014	-.0001	.0002	-.0005	.0070	.0325	.0026	.0303	.0001
#3	-.0015	.0002	-.0003	-.0006	.0043	.0400	.0033	.0216	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.1642**	**-.0003**	**.0103**	**-.0010**	**-.0004**	**-.0001**	**-.0008**	**.0180**
Stddev	.0002	.0083	.0004	.0001	.0003	.0062	.0006	.0011	.0019
%RSD	55.17	5.059	165.4	1.347	24.76	1677.	440.3	135.5	10.37
#1	.0002	.1678	.0001	.0104	-.0013	-.0031	.0002	-.0001	.0158
#2	.0006	.1701	-.0007	.0103	-.0010	-.0047	.0002	-.0002	.0193
#3	.0003	.1547	-.0002	.0102	-.0008	.0068	-.0008	-.0020	.0188

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0000**	**.0002**	**.0010**	**.0002**	**-.0000**	**.0013**	**-.0000**
Stddev	.0006	.0000	.0002	.0010	.0002	.0002	.0001	.0002
%RSD	117.5	35.86	135.9	104.9	94.06	447.5	4.304	733.6
#1	-.0003	.0000	.0004	.0008	.0001	.0001	.0013	.0000
#2	-.0001	.0000	.0001	.0000	.0000	.0000	.0014	-.0002
#3	-.0012	.0000	-.0000	.0020	.0004	-.0003	.0013	.0001

Zoom In Zoom Out

Sample Name: mp35047-mb1conf Acquired: 9/13/2022 16:05:34 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5046.2**	**61093.**	**10728.**	**1744.3**
Stddev	3.0	48.	21.	2.1
%RSD	.05911	.07776	.19190	.12065
#1	5045.1	61083.	10711.	1746.2
#2	5043.9	61052.	10723.	1742.0
#3	5049.5	61145.	10751.	1744.8

Zoom In Zoom Out

Sample Name: jd51356-18 Acquired: 9/13/2022 16:10:44 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0031**	**.1862**	**.0391**	**1.696**	**.0748**	**-.0004**	**-.0098**	**322.4**	**-.0002**
Stddev	.0010	.0128	.0076	.008	.0011	.0002	.0096	1.0	.0007
%RSD	32.07	6.882	19.33	.4877	1.495	56.37	97.75	.3159	286.0
#1	-.0020	.1916	.0425	1.703	.0754	-.0004	-.0050	323.5	.0005
#2	-.0038	.1716	.0444	1.699	.0755	-.0006	-.0209	322.0	-.0006
#3	-.0036	.1954	.0304	1.687	.0735	-.0002	-.0036	321.6	-.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0581**	**-.0014**	**.0028**	**.0337**	**.1056**	**1.929**	**.0991**	**38.93**	**.2773**
Stddev	.0060	.0006	.0013	.0025	.0045	.133	.0053	.26	.0005
%RSD	10.36	41.72	48.33	7.392	4.275	6.909	5.365	.6752	.1964
#1	.0628	-.0013	.0014	.0344	.1078	1.846	.0935	39.20	.2778
#2	.0513	-.0009	.0029	.0310	.1004	1.858	.1040	38.90	.2767
#3	.0603	-.0020	.0040	.0358	.1086	2.082	.0999	38.68	.2773

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0264**	**46.22**	**-.0001**	**.0620**	**-.0075**	**279.0**	**.0086**	**-.0015**	**9.791**
Stddev	.0016	.23	.0024	.0092	.0025	.3	.0018	.0167	.018
%RSD	6.055	.5065	3054.	14.87	32.94	.1203	20.48	1080.	.1839
#1	.0251	46.33	.0015	.0565	-.0102	279.2	.0065	.0167	9.796
#2	.0282	46.38	-.0028	.0569	-.0054	279.1	.0096	-.0160	9.771
#3	.0258	45.95	.0011	.0727	-.0069	278.6	.0095	-.0053	9.805

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0107**	**4.057**	**-.0009**	**.0002**	**.0063**	**.0216**	**.0763**	**-.0007**
Stddev	.0043	.015	.0011	.0083	.0014	.0054	.0010	.0010
%RSD	40.48	.3613	117.9	5274.	21.51	24.95	1.302	144.6
#1	-.0113	4.069	-.0022	-.0091	.0047	.0171	.0754	-.0003
#2	-.0061	4.061	-.0000	.0068	.0069	.0201	.0774	-.0017
#3	-.0148	4.041	-.0006	.0028	.0072	.0276	.0762	.0001

Zoom In Zoom Out

Sample Name: jd51356-18 Acquired: 9/13/2022 16:10:44 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4802.0**	**59350.**	**10603.**	**1697.0**
Stddev	5.5	95.	19.	1.0
%RSD	.11548	.16028	.17746	.05609
#1	4796.1	59285.	10600.	1696.0
#2	4807.1	59459.	10586.	1697.0
#3	4802.8	59304.	10623.	1697.9

Zoom In Zoom Out

Sample Name: jd51212-3undconf Acquired: 9/13/2022 16:15:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0847**	**.0139**	**.0431**	**.1141**	**-.0001**	**.0007**	**66.09**
Stddev	.0003	.0016	.0018	.0007	.0006	.0000	.0014	.09
%RSD	179.2	1.879	13.01	1.552	.5253	17.90	189.7	.1345
#1	-.0000	.0831	.0118	.0434	.1136	-.0001	.0001	66.06
#2	.0000	.0849	.0149	.0423	.1140	-.0000	-.0002	66.19
#3	-.0006	.0863	.0151	.0436	.1148	-.0001	.0023	66.02

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0807**	**-.0001**	**.0005**	**.0000**	**6.366**	**6.418**	**.0015**
Stddev	.0001	.0038	.0001	.0005	.0000	.036	.030	.0002
%RSD	163.8	4.659	99.98	95.72	179.4	.5670	.4630	11.54
#1	-.0002	.0841	.0000	.0008	.0000	6.340	6.388	.0015
#2	-.0000	.0812	-.0002	-.0001	-.0000	6.351	6.419	.0013
#3	.0000	.0767	-.0002	.0008	.0001	6.408	6.448	.0016

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.54**	**1.065**	**.0047**	**11.01**	**.0004**	**.1848**	**-.0001**	**32.22**
Stddev	.11	.002	.0002	.02	.0006	.0031	.0014	.09
%RSD	.5563	.1958	3.846	.1374	150.1	1.683	2447.	.2709
#1	19.47	1.064	.0048	11.00	-.0001	.1845	-.0016	32.25
#2	19.48	1.063	.0045	11.02	.0010	.1819	.0011	32.12
#3	19.66	1.067	.0049	10.99	.0003	.1881	.0004	32.29

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0244**	**6.521**	**-.0023**	**.2774**	**.0005**	**.0028**	**.0012**
Stddev	.0003	.0043	.009	.0010	.0003	.0002	.0025	.0001
%RSD	1196.	17.52	.1432	41.62	.1230	43.83	86.87	5.811
#1	.0003	.0242	6.524	-.0032	.2770	.0008	.0056	.0011
#2	-.0003	.0288	6.510	-.0024	.2775	.0003	.0022	.0013
#3	.0000	.0203	6.528	-.0013	.2777	.0005	.0008	.0011

Zoom In Zoom Out

Sample Name: jd51212-3undconf Acquired: 9/13/2022 16:15:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0196**	**.0008**	W **-.0011**
Stddev	.0017	.0003	.0001
%RSD	8.744	38.14	9.822
#1	.0209	.0011	-.0011
#2	.0203	.0008	-.0012
#3	.0177	.0005	-.0009

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4867.3**	**59565.**	**10683.**	**1715.6**
Stddev	4.9	167.	65.	1.5
%RSD	.10058	.28007	.61302	.08655
#1	4872.4	59754.	10758.	1716.3
#2	4862.6	59503.	10656.	1716.5
#3	4867.0	59439.	10635.	1713.9

Zoom In Zoom Out

Sample Name: jd51212-3fundconf Acquired: 9/13/2022 16:20:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0159**	**.0083**	**.0584**	**.0103**	**.0001**	**.0000**	**83.77**
Stddev	.0004	.0077	.0020	.0005	.0001	.0000	.0004	.22
%RSD	894.8	48.63	24.27	.8331	1.248	43.92	40010.	.2684
#1	.0002	-.0240	.0060	.0584	.0104	.0001	-.0005	83.78
#2	.0002	-.0151	.0095	.0589	.0104	.0001	.0003	83.98
#3	-.0005	-.0086	.0094	.0579	.0102	.0001	.0002	83.53

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.3033**	**.0006**	**-.0007**	**.0003**	**3.824**	**1.910**	**.0035**
Stddev	.0001	.0034	.0002	.0004	.0005	.006	.013	.0007
%RSD	14.44	1.105	35.72	56.72	174.1	.1686	.6656	19.18
#1	.0008	.3072	.0005	-.0006	.0007	3.816	1.896	.0036
#2	.0006	.3011	.0005	-.0011	.0006	3.828	1.912	.0028
#3	.0008	.3017	.0009	-.0003	-.0003	3.826	1.921	.0041

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**236.4**	**4.835**	**.0000**	**9.305**	**.0002**	**.0564**	F **-.0048**	F **273.8**
Stddev	.9	.014	.0001	.038	.0002	.0014	.0006	.6
%RSD	.3680	.2828	454.0	.4078	160.2	2.531	11.49	.2186
#1	236.8	4.837	.0001	9.263	.0002	.0570	-.0055	273.5
#2	236.9	4.820	.0001	9.336	.0004	.0548	-.0047	273.3
#3	235.4	4.847	-.0001	9.318	-.0001	.0574	-.0044	274.4

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**.0074**	**9.055**	**-.0032**	**.1145**	**-.0015**	**.0053**	**.0008**
Stddev	.0011	.0014	.019	.0011	.0002	.0004	.0008	.0002
%RSD	38.06	18.97	.2124	33.66	.1967	26.04	15.43	29.33
#1	.0029	.0062	9.039	-.0041	.1143	-.0012	.0056	.0006
#2	.0038	.0090	9.051	-.0034	.1145	-.0015	.0059	.0010
#3	.0017	.0072	9.076	-.0020	.1148	-.0019	.0044	.0007

Zoom In Zoom Out

Sample Name: jd51212-3fundconf Acquired: 9/13/2022 16:20:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0122**	**-.0007**	W **-.0013**
Stddev	.0005	.0001	.0003
%RSD	4.477	11.53	24.47
#1	.0128	-.0007	-.0009
#2	.0117	-.0006	-.0015
#3	.0121	-.0007	-.0014

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4537.7**	**57788.**	**10545.**	**1632.3**
Stddev	2.9	148.	66.	3.5
%RSD	.06372	.25645	.62856	.21151
#1	4536.1	57873.	10594.	1634.6
#2	4541.0	57875.	10469.	1633.9
#3	4535.9	57617.	10571.	1628.3

Zoom In Zoom Out

Sample Name: FECONF Acquired: 9/13/2022 16:26:00 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0122**	**-.0013**	**-.0012**	**-.0001**	**-.0002**	**.0049**	**-.0310**
Stddev	.0001	.0074	.0016	.0006	.0003	.0000	.0003	.0047
%RSD	24.36	61.06	128.5	48.48	351.4	15.59	6.891	15.30
#1	-.0005	-.0196	-.0008	-.0016	-.0004	-.0002	.0051	-.0332
#2	-.0004	-.0047	.0000	-.0014	.0000	-.0002	.0045	-.0255
#3	-.0006	-.0122	-.0031	-.0005	.0001	-.0002	.0051	-.0342

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.1057**	**-.0003**	**-.0004**	**-.0010**	F **204.2**	**.0543**	**.0024**
Stddev	.0003	.0010	.0004	.0005	.0004	.3	.0180	.0005
%RSD	37.02	.9860	121.9	139.0	42.49	.1655	33.16	22.32
#1	-.0006	.1062	-.0003	-.0006	-.0006	204.5	.0748	.0029
#2	-.0010	.1065	-.0007	-.0008	-.0010	204.3	.0465	.0018
#3	-.0005	.1045	.0000	.0002	-.0015	203.8	.0415	.0026

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0360**	**.0022**	**.0006**	**.0608**	**.0004**	**.0131**	**-.0005**	**.0089**
Stddev	.0040	.0000	.0000	.0028	.0000	.0015	.0020	.0078
%RSD	11.15	1.827	4.264	4.643	1.034	11.25	402.2	87.70
#1	-.0316	.0022	.0006	.0579	.0004	.0119	.0000	.0136
#2	-.0368	.0022	.0006	.0609	.0004	.0147	.0012	-.0001
#3	-.0395	.0022	.0007	.0636	.0004	.0127	-.0028	.0131

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.0063**	**-.0007**	**.0010**	**-.0004**	**-.0003**	**.0097**	**.0011**
Stddev	.0011	.0028	.0009	.0004	.0000	.0003	.0021	.0002
%RSD	62.94	44.14	121.6	37.18	6.016	114.3	22.04	18.95
#1	.0025	.0052	.0003	.0014	-.0004	.0001	.0120	.0014
#2	.0005	.0043	-.0012	.0009	-.0004	-.0003	.0096	.0010
#3	.0020	.0095	-.0013	.0007	-.0005	-.0006	.0077	.0011

Zoom In Zoom Out

Sample Name: FECONF Acquired: 9/13/2022 16:26:00 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0022**	**.0010**	W **-.0036**
Stddev	.0007	.0002	.0001
%RSD	31.45	22.98	2.924
#1	.0025	.0008	-.0036
#2	.0014	.0011	-.0037
#3	.0027	.0012	-.0036

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4946.9**	**59517.**	**10632.**	**1704.6**
Stddev	2.4	132.	28.	2.6
%RSD	.04781	.22201	.25971	.15027
#1	4944.4	59368.	10651.	1702.4
#2	4947.1	59618.	10601.	1704.0
#3	4949.1	59566.	10645.	1707.4

Zoom In Zoom Out

Sample Name: CRCONF Acquired: 9/13/2022 16:31:12 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0007**	**.0045**	**.0008**	**.0001**	**-.0000**	**-.0045**	**.0000**	**.0009**
Stddev	.0004	.0090	.0011	.0012	.0001	.0001	.0005	.0042	.0001
%RSD	90.32	1226.	24.51	154.3	92.57	724.7	10.69	14160.	16.15
#1	-.0010	-.0003	.0054	.0021	-.0000	-.0001	-.0050	-.0040	.0008
#2	-.0001	-.0099	.0033	.0002	.0001	-.0000	-.0041	-.0003	.0010
#3	-.0005	.0080	.0049	-.0000	.0002	.0001	-.0044	.0043	.0009

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0417**	**-.0012**	F **10.44**	**-.0009**	**-.0053**	**.0087**	**.0018**	**.0101**	**.0008**
Stddev	.0012	.0002	.03	.0004	.0010	.0192	.0003	.0221	.0000
%RSD	2.772	17.14	.2888	39.68	18.06	219.8	14.99	218.2	1.519
#1	.0408	-.0013	10.45	-.0005	-.0057	.0308	.0021	.0355	.0008
#2	.0412	-.0009	10.40	-.0012	-.0042	-.0037	.0015	-.0046	.0008
#3	.0430	-.0012	10.45	-.0010	-.0060	-.0009	.0018	-.0006	.0008

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0407**	**.0042**	**.0104**	**.0042**	**.0038**	**.0006**	**-.0005**	**.0046**
Stddev	.0001	.0087	.0005	.0010	.0021	.0092	.0014	.0035	.0006
%RSD	12.15	21.48	12.57	9.190	50.65	240.8	221.2	646.9	14.12
#1	.0006	.0464	.0038	.0102	.0040	.0137	.0022	.0002	.0053
#2	.0007	.0306	.0048	.0095	.0022	-.0043	-.0000	-.0044	.0041
#3	.0006	.0451	.0040	.0114	.0064	.0020	-.0003	.0026	.0043

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0001**	**.0007**	**.0013**	**.0068**	**.0036**	**.1358**	**.0019**
Stddev	.0003	.0000	.0003	.0046	.0002	.0010	.0003	.0001
%RSD	22.53	50.02	39.62	354.9	3.220	27.38	.2010	6.542
#1	-.0016	.0001	.0009	-.0040	.0065	.0037	.1361	.0018
#2	-.0010	.0001	.0004	.0035	.0070	.0026	.1359	.0018
#3	-.0014	.0000	.0009	.0044	.0068	.0046	.1356	.0020

Zoom In Zoom Out

Sample Name: CRCONF Acquired: 9/13/2022 16:31:12 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5004.7**	**60282.**	**10540.**	**1720.0**
Stddev	4.5	109.	43.	5.2
%RSD	.08935	.18007	.41108	.30505
#1	5000.1	60263.	10491.	1714.0
#2	5009.0	60399.	10557.	1723.6
#3	5005.0	60185.	10573.	1722.4

Zoom In Zoom Out

Sample Name: ASCONF Acquired: 9/13/2022 16:36:22 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.0060**	**5.140**	**.0010**	**.0002**	**.0000**	**-.0016**	**.0109**	**.0011**
Stddev	.0002	.0122	.029	.0010	.0001	.0001	.0015	.0014	.0002
%RSD	19.57	203.1	.5662	100.4	42.47	260.0	91.56	13.17	15.01
#1	-.0011	.0183	5.158	.0018	.0003	-.0000	-.0000	.0099	.0011
#2	-.0008	.0060	5.106	.0011	.0003	.0000	-.0029	.0125	.0012
#3	-.0013	-.0062	5.155	-.0001	.0001	.0001	-.0018	.0103	.0009

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0553**	**-.0006**	**.0003**	**.0005**	**.0287**	**.0136**	**.0014**	**.0236**	**.0002**
Stddev	.0043	.0003	.0002	.0003	.0011	.0083	.0009	.0149	.0000
%RSD	7.774	47.43	83.92	66.66	3.872	61.13	66.86	63.09	27.69
#1	.0542	-.0004	.0005	.0006	.0295	.0115	.0022	.0322	.0001
#2	.0600	-.0005	.0002	.0007	.0293	.0228	.0016	.0323	.0002
#3	.0516	-.0010	.0001	.0001	.0275	.0066	.0004	.0064	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0299**	**.0001**	**.0075**	**-.0002**	**-.0013**	**.0054**	**-.0032**	**.0007**
Stddev	.0001	.0064	.0002	.0035	.0008	.0037	.0004	.0028	.0012
%RSD	55.54	21.33	244.8	46.89	402.6	289.9	6.529	85.54	172.0
#1	.0002	.0372	.0000	.0114	.0007	-.0013	.0058	-.0037	.0014
#2	.0001	.0266	-.0001	.0045	-.0004	-.0049	.0054	-.0057	-.0007
#3	.0001	.0258	.0003	.0066	-.0009	.0025	.0051	-.0002	.0012

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0000**	**.0001**	**.0003**	**.0001**	**.0003**	**.0023**	**-.0000**
Stddev	.0009	.0001	.0003	.0022	.0002	.0012	.0001	.0002
%RSD	62.01	303.1	248.1	885.3	247.8	443.3	5.861	674.3
#1	-.0024	.0002	.0002	.0028	.0004	.0016	.0021	-.0002
#2	-.0016	-.0000	.0003	-.0010	-.0000	-.0002	.0023	.0002
#3	-.0005	-.0001	-.0002	-.0010	-.0001	-.0006	.0024	-.0002

Zoom In Zoom Out

Sample Name: ASCONF Acquired: 9/13/2022 16:36:22 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5034.4**	**60492.**	**10556.**	**1749.9**
Stddev	7.7	55.	14.	7.2
%RSD	.15280	.09066	.12902	.41119
#1	5026.6	60531.	10570.	1744.3
#2	5042.0	60517.	10543.	1758.0
#3	5034.7	60430.	10556.	1747.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 16:41:33 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2447**	**38.23**	**1.947**	**1.966**	**1.926**	**1.963**	**1.966**	**38.46**	**1.951**
Stddev	.0004	.01	.006	.003	.002	.006	.002	.04	.005
%RSD	.1648	.0345	.3015	.1620	.0772	.3218	.1129	.0940	.2588
#1	.2451	38.22	1.951	1.963	1.927	1.971	1.964	38.50	1.951
#2	.2444	38.24	1.940	1.970	1.925	1.959	1.969	38.43	1.956
#3	.2445	38.24	1.949	1.966	1.928	1.961	1.965	38.44	1.946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**1.974**	**1.986**	**1.897**	**39.28**	**37.85**	**1.933**	**38.38**	**1.999**
Stddev	.003	.003	.005	.003	.05	.10	.003	.09	.002
%RSD	.1658	.1448	.2395	.1328	.1282	.2734	.1552	.2347	.0777
#1	1.999	1.976	1.991	1.900	39.34	37.86	1.929	38.48	2.000
#2	2.005	1.974	1.981	1.896	39.25	37.75	1.935	38.31	1.997
#3	2.001	1.971	1.987	1.895	39.25	37.95	1.934	38.36	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.987**	**38.47**	**1.966**	**1.945**	**2.005**	**1.930**	**1.978**	**1.905**	**5.129**
Stddev	.002	.11	.003	.006	.004	.003	.005	.006	.009
%RSD	.0861	.2762	.1492	.3347	.1785	.1575	.2668	.3407	.1852
#1	1.987	38.56	1.970	1.953	2.009	1.929	1.982	1.913	5.118
#2	1.989	38.35	1.966	1.941	2.002	1.934	1.972	1.904	5.136
#3	1.986	38.49	1.964	1.942	2.005	1.928	1.981	1.900	5.134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 16:41:33 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**1.923**	**1.994**	**1.908**	**1.964**	**1.994**	**1.982**	**1.992**
Stddev	.012	.002	.003	.011	.002	.004	.002	.003
%RSD	.5858	.1047	.1469	.5534	.0949	.2210	.0864	.1504
#1	2.014	1.925	1.997	1.907	1.964	1.994	1.980	1.996
#2	1.990	1.921	1.991	1.898	1.963	1.998	1.983	1.990
#3	2.002	1.924	1.993	1.919	1.966	1.989	1.982	1.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4587.8**	**58291.**	**10500.**	**1700.0**
Stddev	7.3	63.	50.	2.9
%RSD	.15811	.10853	.48051	.17083
#1	4579.4	58218.	10442.	1698.4
#2	4591.5	58328.	10535.	1698.2
#3	4592.4	58328.	10522.	1703.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 16:46:22 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**-.0039**	**.0010**	**.0037**	**.0000**	**-.0000**	**-.0010**	**-.0048**	**-.0001**
Stddev	.0006	.0025	.0020	.0004	.0002	.0000	.0014	.0019	.0003
%RSD	52.01	63.64	202.4	9.802	751.8	5.234	133.5	40.28	365.6
#1	-.0014	-.0036	.0033	.0034	-.0001	-.0000	-.0025	-.0066	.0003
#2	-.0015	-.0016	-.0001	.0036	.0003	-.0000	-.0009	-.0052	-.0004
#3	-.0004	-.0065	-.0002	.0041	-.0001	-.0001	.0002	-.0027	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**-.0004**	**-.0007**	**.0024**	**-.0229**	**.0001**	**.0121**	**.0000**
Stddev	.0003	.0002	.0002	.0004	.0016	.0312	.0008	.0037	.0000
%RSD	389.6	346.7	43.08	56.17	65.11	136.1	596.1	30.41	358.1
#1	-.0002	.0001	-.0002	-.0006	.0016	-.0318	.0004	.0113	.0000
#2	.0003	.0001	-.0005	-.0011	.0014	-.0486	-.0008	.0089	-.0000
#3	.0002	-.0003	-.0005	-.0003	.0042	.0118	.0007	.0161	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0186**	**-.0001**	**.0034**	**-.0005**	**-.0007**	**.0012**	**-.0036**	**.0019**
Stddev	.0001	.0007	.0002	.0035	.0004	.0031	.0007	.0018	.0010
%RSD	18.64	3.991	112.3	102.5	66.77	455.6	60.26	51.57	49.52
#1	.0003	.0194	-.0002	.0007	-.0008	-.0006	.0011	-.0018	.0030
#2	.0004	.0179	.0000	.0073	-.0001	-.0037	.0019	-.0035	.0012
#3	.0003	.0186	-.0003	.0022	-.0007	.0024	.0005	-.0055	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 16:46:22 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**.0000**	**-.0002**	**.0012**	**.0001**	**.0002**	**.0001**	**-.0000**
Stddev	.0010	.0001	.0002	.0020	.0002	.0010	.0003	.0002
%RSD	58.58	337.4	153.2	162.2	160.7	533.8	616.2	904.1
#1	-.0006	.0001	-.0002	-.0007	.0004	-.0008	.0003	-.0000
#2	-.0019	-.0001	.0001	.0011	-.0000	.0012	.0001	-.0002
#3	-.0026	.0001	-.0004	.0032	.0001	.0002	-.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5035.8**	**60552.**	**10563.**	**1742.2**
Stddev	6.9	52.	12.	2.5
%RSD	.13718	.08663	.11712	.14569
#1	5043.2	60499.	10551.	1742.1
#2	5034.5	60604.	10562.	1744.7
#3	5029.6	60552.	10576.	1739.7

Zoom In Zoom Out

Sample Name: mp35114-mb1 Acquired: 9/13/2022 16:51:34 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0022**	**.0002**	**.0010**	**.0001**	**-.0000**	**-.0017**	**.0046**	**.0001**
Stddev	.0002	.0064	.0004	.0005	.0002	.0001	.0013	.0005	.0004
%RSD	27.20	289.6	180.7	51.45	408.7	500.1	81.37	10.17	274.5
#1	-.0006	-.0051	.0006	.0004	.0001	.0001	-.0002	.0050	.0005
#2	-.0008	.0067	-.0001	.0013	.0002	-.0001	-.0020	.0048	.0001
#3	-.0005	.0051	.0001	.0014	-.0002	-.0001	-.0028	.0041	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**.0000**	**-.0003**	**-.0006**	**.0068**	**-.0111**	**-.0005**	**.0153**	**.0002**
Stddev	.0031	.0001	.0006	.0001	.0035	.0077	.0009	.0092	.0000
%RSD	131.2	2202.	188.5	18.77	51.41	69.75	193.8	60.29	4.717
#1	.0059	.0000	.0003	-.0005	.0092	-.0180	-.0014	.0196	.0002
#2	.0006	.0001	-.0004	-.0006	.0028	-.0125	.0004	.0216	.0002
#3	.0006	-.0001	-.0008	-.0007	.0084	-.0027	-.0004	.0047	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0191**	**-.0002**	**.0064**	**.0000**	**.0035**	**.0008**	**-.0040**	**.0120**
Stddev	.0002	.0055	.0001	.0018	.0004	.0030	.0008	.0017	.0016
%RSD	45.73	28.59	73.80	28.51	70910.	86.47	100.0	44.06	12.98
#1	.0006	.0143	-.0002	.0067	-.0005	.0050	-.0001	-.0059	.0103
#2	.0006	.0250	-.0000	.0045	.0002	.0000	.0009	-.0026	.0133
#3	.0002	.0181	-.0002	.0081	.0003	.0054	.0015	-.0034	.0126

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**-.0000**	**-.0001**	**-.0007**	**.0001**	**.0009**	**.0009**	**-.0002**
Stddev	.0008	.0001	.0002	.0003	.0002	.0011	.0003	.0001
%RSD	39.79	251.3	301.0	39.40	219.5	120.8	29.48	53.55
#1	-.0021	-.0001	-.0000	-.0009	.0001	.0017	.0008	-.0003
#2	-.0011	-.0000	-.0003	-.0008	.0004	.0013	.0007	-.0001
#3	-.0026	.0000	.0001	-.0004	-.0001	-.0003	.0012	-.0001

Zoom In Zoom Out

Sample Name: mp35114-mb1 Acquired: 9/13/2022 16:51:34 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5056.8**	**61210.**	**10754.**	**1744.9**
Stddev	5.0	134.	41.	2.1
%RSD	.09790	.21960	.38131	.12021
#1	5062.4	61060.	10798.	1744.6
#2	5055.3	61319.	10717.	1743.0
#3	5052.9	61251.	10748.	1747.2

Zoom In Zoom Out

Sample Name: mp35114-b1 Acquired: 9/13/2022 16:56:44 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**-.0028**	**.0006**	**.0005**	**-.0002**	**.0000**	**-.0002**	**.0098**	**-.0000**
Stddev	.0000	.0024	.0010	.0007	.0001	.0001	.0015	.0020	.0002
%RSD	2.782	84.92	172.2	155.3	63.33	156.3	703.8	19.86	479.6
#1	-.0013	-.0042	.0006	.0010	-.0002	.0000	.0002	.0077	-.0002
#2	-.0013	-.0041	.0015	.0007	-.0002	.0001	.0011	.0114	.0002
#3	-.0013	-.0001	-.0004	-.0003	-.0000	.0000	-.0019	.0105	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0001**	**.0001**	**-.0006**	**.0045**	**-.0284**	**2.113**	**.0063**	**.0003**
Stddev	.0005	.0000	.0001	.0001	.0027	.0102	.003	.0180	.0001
%RSD	1217.	26.24	70.90	14.10	60.84	36.07	.1281	286.7	20.18
#1	.0001	.0002	.0000	-.0005	.0074	-.0216	2.116	.0163	.0003
#2	-.0006	.0001	.0001	-.0006	.0020	-.0401	2.112	.0170	.0002
#3	.0003	.0001	.0002	-.0007	.0041	-.0234	2.111	-.0145	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0202**	**-.0001**	**.0085**	**-.0003**	**-.0001**	**.0002**	**-.0012**	**.0122**
Stddev	.0003	.0028	.0002	.0020	.0005	.0036	.0004	.0013	.0016
%RSD	114.5	13.87	165.3	23.92	185.5	5934.	233.3	107.9	13.24
#1	-.0000	.0194	-.0002	.0076	-.0002	.0013	-.0002	-.0023	.0139
#2	.0002	.0179	-.0003	.0072	.0002	.0027	.0005	.0002	.0108
#3	.0005	.0234	.0001	.0109	-.0008	-.0042	.0002	-.0015	.0118

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0001**	**-.0000**	**.0001**	**.0000**	**-.0000**	**.0007**	**.0000**
Stddev	.0013	.0001	.0004	.0027	.0004	.0008	.0001	.0001
%RSD	369.1	69.59	1151.	1890.	1719.	2738.	9.614	661.4
#1	-.0007	.0001	.0003	-.0019	-.0001	-.0007	.0007	-.0000
#2	.0011	.0002	-.0004	.0031	-.0003	.0009	.0008	-.0001
#3	-.0015	.0001	.0001	-.0008	.0005	-.0003	.0007	.0002

Zoom In Zoom Out

Sample Name: mp35114-b1 Acquired: 9/13/2022 16:56:44 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5018.0**	**60769.**	**10731.**	**1736.5**
Stddev	7.3	322.	36.	3.2
%RSD	.14598	.52948	.33390	.18580
#1	5026.4	60688.	10768.	1739.7
#2	5014.5	60495.	10696.	1733.3
#3	5013.1	61123.	10730.	1736.4

Zoom In Zoom Out

Sample Name: mp35114-s1 Acquired: 9/13/2022 17:01:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.3202**	**.0075**	**.0290**	**.2227**	**.0005**	**-.0019**	**43.32**	**.0003**
Stddev	.0002	.0036	.0016	.0007	.0004	.0000	.0004	.01	.0001
%RSD	24.02	1.128	21.45	2.402	.1982	8.404	19.18	.0132	43.13
#1	-.0008	.3172	.0056	.0282	.2228	.0005	-.0016	43.33	.0002
#2	-.0005	.3193	.0086	.0293	.2231	.0004	-.0023	43.33	.0004
#3	-.0009	.3242	.0082	.0296	.2222	.0005	-.0017	43.32	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0139**	**.0002**	**.0125**	**.0152**	**1.312**	**1.952**	**1.985**	**25.27**	**.0627**
Stddev	.0029	.0004	.0010	.0004	.002	.019	.002	.07	.0002
%RSD	20.86	171.5	8.064	2.665	.1690	.9612	.1174	.2731	.3437
#1	.0106	-.0001	.0128	.0156	1.314	1.967	1.987	25.25	.0629
#2	.0160	.0007	.0113	.0148	1.311	1.958	1.983	25.35	.0626
#3	.0150	.0001	.0133	.0152	1.310	1.931	1.985	25.22	.0625

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**23.38**	**.0080**	**.0282**	**.0007**	**13.42**	**.0012**	**.0049**	**7.676**
Stddev	.0008	.10	.0003	.0035	.0007	.03	.0016	.0015	.013
%RSD	34.06	.4077	4.287	12.51	105.2	.1995	133.6	31.32	.1708
#1	.0031	23.40	.0083	.0312	.0003	13.39	-.0006	.0062	7.683
#2	.0017	23.47	.0076	.0243	.0015	13.43	.0017	.0032	7.661
#3	.0019	23.28	.0081	.0291	.0002	13.43	.0025	.0052	7.684

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0025**	**.4425**	**.0115**	**.0003**	**.0129**	**.0073**	**.8809**	**.0000**
Stddev	.0008	.0018	.0023	.0034	.0005	.0005	.0020	.0001
%RSD	32.53	.4130	20.15	1224.	3.728	7.016	.2229	4132.
#1	-.0020	.4436	.0139	.0037	.0124	.0070	.8794	.0001
#2	-.0022	.4435	.0092	.0002	.0129	.0069	.8831	-.0000
#3	-.0035	.4404	.0114	-.0031	.0133	.0078	.8801	-.0001

Zoom In Zoom Out

Sample Name: mp35114-s1 Acquired: 9/13/2022 17:01:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4752.3**	**59318.**	**10649.**	**1691.8**
Stddev	5.4	185.	36.	3.3
%RSD	.11376	.31118	.33446	.19218
#1	4751.3	59139.	10674.	1695.5
#2	4747.4	59308.	10608.	1689.5
#3	4758.1	59507.	10664.	1690.3

Zoom In Zoom Out

Sample Name: mp35114-s2 Acquired: 9/13/2022 17:07:00 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.3353**	**.0068**	**.0299**	**.2274**	**.0005**	**-.0021**	**43.98**	**.0003**
Stddev	.0003	.0094	.0003	.0013	.0001	.0001	.0012	.10	.0002
%RSD	40.32	2.798	3.664	4.421	.0567	12.79	59.11	.2265	56.85
#1	-.0008	.3245	.0068	.0312	.2273	.0005	-.0007	44.01	.0002
#2	-.0010	.3397	.0071	.0300	.2273	.0004	-.0026	43.87	.0002
#3	-.0004	.3416	.0066	.0286	.2276	.0006	-.0030	44.06	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0140**	**.0001**	**.0126**	**.0173**	**1.331**	**1.974**	**2.006**	**25.76**	**.0645**
Stddev	.0014	.0002	.0005	.0003	.013	.026	.001	.31	.0002
%RSD	9.807	144.0	4.093	1.888	.9833	1.322	.0359	1.207	.2942
#1	.0124	.0002	.0130	.0176	1.346	1.999	2.005	26.10	.0647
#2	.0145	-.0001	.0126	.0174	1.321	1.947	2.007	25.50	.0645
#3	.0150	.0003	.0120	.0170	1.326	1.975	2.006	25.67	.0643

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**23.83**	**.0084**	**.0307**	**.0016**	**13.58**	**.0015**	**.0061**	**7.829**
Stddev	.0003	.04	.0002	.0025	.0011	.00	.0004	.0009	.008
%RSD	11.05	.1774	2.382	8.034	68.06	.0267	28.86	15.23	.1033
#1	.0032	23.83	.0084	.0329	.0009	13.59	.0017	.0071	7.838
#2	.0029	23.79	.0082	.0311	.0029	13.58	.0010	.0052	7.822
#3	.0026	23.88	.0086	.0281	.0011	13.58	.0018	.0060	7.826

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**.4477**	**.0122**	**-.0010**	**.0130**	**.0088**	**.8947**	**-.0002**
Stddev	.0008	.0007	.0012	.0003	.0001	.0009	.0026	.0001
%RSD	38.53	.1661	10.14	30.43	1.135	10.01	.2928	46.50
#1	-.0016	.4486	.0126	-.0011	.0130	.0078	.8954	-.0001
#2	-.0028	.4472	.0131	-.0012	.0131	.0090	.8918	-.0003
#3	-.0015	.4474	.0108	-.0006	.0128	.0095	.8969	-.0003

Zoom In Zoom Out

Sample Name: mp35114-s2 Acquired: 9/13/2022 17:07:00 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4745.2**	**59380.**	**10648.**	**1693.9**
Stddev	2.0	190.	44.	1.4
%RSD	.04123	.31998	.41286	.08202
#1	4744.4	59277.	10667.	1695.5
#2	4747.5	59265.	10680.	1693.6
#3	4743.8	59600.	10598.	1692.7

Zoom In Zoom Out

Sample Name: jd51592-1 Acquired: 9/13/2022 17:12:05 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.2950**	**.0066**	**.0270**	**.2173**	**.0008**	**-.0007**	**42.60**	**.0005**
Stddev	.0004	.0098	.0016	.0004	.0003	.0001	.0025	.06	.0002
%RSD	82.28	3.332	23.86	1.519	.1562	13.69	360.7	.1390	35.84
#1	-.0004	.2936	.0073	.0270	.2177	.0008	-.0025	42.66	.0007
#2	-.0001	.2859	.0048	.0266	.2172	.0006	.0021	42.55	.0004
#3	-.0009	.3054	.0077	.0274	.2170	.0009	-.0016	42.58	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0144**	**.0007**	**.0122**	**.0157**	**1.322**	**1.909**	**.0074**	**24.72**	**.0606**
Stddev	.0010	.0001	.0001	.0007	.002	.007	.0003	.05	.0001
%RSD	7.021	16.61	.4361	4.592	.1725	.3799	4.521	.2056	.2046
#1	.0151	.0006	.0122	.0149	1.322	1.904	.0070	24.76	.0605
#2	.0132	.0008	.0122	.0159	1.323	1.905	.0076	24.74	.0608
#3	.0148	.0006	.0123	.0164	1.319	1.917	.0076	24.66	.0606

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**22.89**	**.0087**	**.0289**	**.0020**	**13.12**	**.0025**	**.0061**	**7.493**
Stddev	.0001	.04	.0004	.0059	.0010	.03	.0004	.0005	.020
%RSD	4.332	.1780	4.086	20.34	47.27	.2647	14.23	7.737	.2647
#1	.0024	22.93	.0085	.0223	.0027	13.10	.0029	.0056	7.511
#2	.0026	22.89	.0091	.0310	.0009	13.11	.0021	.0060	7.495
#3	.0026	22.84	.0084	.0334	.0024	13.16	.0025	.0066	7.472

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**.4325**	**.0110**	**.0006**	**.0129**	**.0079**	**.8820**	**-.0001**
Stddev	.0014	.0005	.0018	.0012	.0004	.0010	.0013	.0000
%RSD	78.44	.1089	16.71	209.9	2.725	13.02	.1523	19.25
#1	-.0011	.4329	.0109	-.0004	.0133	.0073	.8834	-.0001
#2	-.0009	.4325	.0092	.0002	.0126	.0091	.8807	-.0001
#3	-.0035	.4320	.0128	.0018	.0129	.0073	.8819	-.0002

Zoom In Zoom Out

Sample Name: jd51592-1 Acquired: 9/13/2022 17:12:05 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4761.2**	**59327.**	**10615.**	**1698.0**
Stddev	5.6	96.	18.	4.1
%RSD	.11840	.16195	.17193	.24393
#1	4754.8	59220.	10606.	1693.4
#2	4765.4	59407.	10636.	1699.2
#3	4763.6	59354.	10603.	1701.4

Zoom In Zoom Out

Sample Name: mp35114-sd1 Acquired: 9/13/2022 17:17:10 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0053**	**.5559**	**.0097**	**.0302**	**.2196**	**.0007**	**-.0062**	**43.17**	**.0002**
Stddev	.0018	.0376	.0086	.0011	.0008	.0001	.0089	.27	.0006
%RSD	33.67	6.771	88.49	3.586	.3623	8.741	142.5	.6204	238.6
#1	-.0050	.5195	.0091	.0306	.2204	.0007	-.0031	43.47	-.0003
#2	-.0072	.5947	.0014	.0289	.2194	.0007	.0006	42.97	.0008
#3	-.0037	.5536	.0186	.0310	.2188	.0008	-.0163	43.07	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0172**	**-.0001**	**.0091**	**.0136**	**1.346**	**1.836**	**.0140**	**25.01**	**.0616**
Stddev	.0113	.0014	.0020	.0010	.020	.092	.0030	.13	.0007
%RSD	65.87	1300.	21.96	7.701	1.490	5.031	21.37	.5016	1.165
#1	.0302	.0009	.0069	.0144	1.332	1.936	.0112	25.04	.0609
#2	.0101	-.0017	.0107	.0140	1.336	1.753	.0135	24.87	.0617
#3	.0112	.0004	.0096	.0124	1.369	1.820	.0171	25.11	.0623

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**22.71**	**.0093**	**.0627**	**.0008**	**12.84**	**.0084**	**.0022**	**7.428**
Stddev	.0014	.07	.0011	.0084	.0029	.02	.0110	.0094	.025
%RSD	35.96	.3187	11.64	13.33	385.6	.1516	131.5	427.0	.3355
#1	.0042	22.63	.0095	.0703	.0025	12.84	-.0017	-.0073	7.450
#2	.0024	22.75	.0081	.0640	.0024	12.85	.0067	.0115	7.433
#3	.0051	22.76	.0103	.0538	-.0026	12.82	.0202	.0024	7.401

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0059**	**.4375**	**.0087**	**.0010**	**.0134**	**.0091**	**.8934**	**-.0010**
Stddev	.0051	.0005	.0023	.0063	.0015	.0040	.0018	.0003
%RSD	86.15	.1109	26.35	634.3	11.50	43.42	.1982	33.92
#1	-.0029	.4380	.0073	-.0053	.0124	.0075	.8918	-.0008
#2	-.0117	.4375	.0114	.0074	.0152	.0062	.8932	-.0014
#3	-.0030	.4370	.0075	.0009	.0126	.0136	.8953	-.0008

Zoom In Zoom Out

Sample Name: mp35114-sd1 Acquired: 9/13/2022 17:17:10 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4970.1**	**60017.**	**10559.**	**1732.9**
Stddev	9.9	144.	28.	2.7
%RSD	.19836	.23974	.26413	.15403
#1	4958.9	59986.	10546.	1730.6
#2	4974.2	60173.	10591.	1732.2
#3	4977.3	59891.	10540.	1735.8

Zoom In Zoom Out

Sample Name: jd51592-2 Acquired: 9/13/2022 17:22:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0283**	**.0008**	**.0012**	**.0010**	**.0001**	**-.0013**	**.1572**	**.0002**
Stddev	.0003	.0018	.0006	.0003	.0000	.0000	.0010	.0022	.0002
%RSD	26.15	6.484	68.96	24.70	4.252	23.87	78.85	1.424	94.38
#1	-.0009	.0263	.0012	.0012	.0010	.0001	-.0022	.1593	.0003
#2	-.0013	.0288	.0011	.0009	.0010	.0001	-.0013	.1574	-.0000
#3	-.0009	.0299	.0002	.0015	.0011	.0001	-.0002	.1549	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0003**	**.0006**	**.0034**	**.0853**	**.0359**	**.0016**	**.0475**	**.0020**
Stddev	.0003	.0000	.0002	.0003	.0040	.0009	.0004	.0113	.0000
%RSD	63.25	2.412	25.38	7.542	4.696	2.504	24.04	23.89	.8965
#1	.0004	.0003	.0005	.0031	.0852	.0369	.0013	.0368	.0020
#2	.0008	.0003	.0006	.0035	.0893	.0357	.0021	.0463	.0020
#3	.0002	.0003	.0008	.0035	.0813	.0352	.0015	.0594	.0020

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.1181**	**.0000**	**.0147**	**-.0001**	**.0263**	**.0002**	**.0002**	**.0754**
Stddev	.0002	.0039	.0002	.0015	.0012	.0038	.0009	.0025	.0027
%RSD	139.9	3.338	551.6	10.11	2123.	14.54	413.4	1177.	3.628
#1	-.0001	.1135	-.0001	.0138	.0005	.0300	-.0005	.0017	.0772
#2	.0002	.1206	.0003	.0164	.0007	.0224	-.0001	-.0027	.0769
#3	.0002	.1201	-.0001	.0139	-.0014	.0265	.0012	.0016	.0723

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0006**	**.0010**	**-.0011**	**.0002**	**.0004**	**.0213**	**.0001**
Stddev	.0004	.0000	.0003	.0010	.0002	.0013	.0002	.0001
%RSD	47.24	1.955	31.11	90.85	87.05	328.3	.7244	92.57
#1	-.0011	.0006	.0012	-.0003	.0003	.0020	.0214	.0001
#2	-.0004	.0006	.0006	-.0022	.0000	-.0005	.0214	.0002
#3	-.0012	.0006	.0012	-.0009	.0002	-.0003	.0211	.0000

Zoom In Zoom Out

Sample Name: jd51592-2 Acquired: 9/13/2022 17:22:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5058.6	61057.	10703.	1755.2
Stddev	4.5	69.	44.	8.4
%RSD	.08886	.11234	.40913	.47835
#1	5054.9	61048.	10742.	1746.8
#2	5057.3	60993.	10712.	1755.3
#3	5063.6	61129.	10656.	1763.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 17:27:30 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2449	38.02	1.953	1.975	1.909	1.953	1.960	38.25	1.939
Stddev	.0014	.02	.002	.005	.003	.002	.004	.05	.000
%RSD	.5657	.0611	.0862	.2427	.1335	.0924	.1856	.1209	.0201
#1	.2464	38.04	1.955	1.971	1.912	1.955	1.956	38.23	1.940
#2	.2447	38.00	1.953	1.980	1.908	1.953	1.960	38.31	1.939
#3	.2436	38.01	1.952	1.975	1.907	1.951	1.963	38.22	1.939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.001	1.977	1.981	1.894	39.11	37.60	1.933	38.08	2.000
Stddev	.003	.003	.002	.001	.03	.09	.002	.05	.001
%RSD	.1658	.1473	.1107	.0718	.0801	.2507	.0964	.1278	.0625
#1	2.001	1.977	1.980	1.893	39.09	37.65	1.935	38.09	2.002
#2	2.004	1.980	1.980	1.895	39.15	37.49	1.932	38.02	2.000
#3	1.997	1.974	1.984	1.896	39.10	37.66	1.931	38.12	1.999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	38.23	1.965	1.827	2.012	1.931	1.988	1.925	5.140
Stddev	.001	.08	.002	.006	.005	.006	.001	.011	.007
%RSD	.0657	.2166	.1233	.3260	.2306	.3134	.0397	.5430	.1428
#1	2.000	38.29	1.968	1.821	2.013	1.935	1.988	1.937	5.147
#2	1.998	38.13	1.963	1.827	2.007	1.924	1.989	1.921	5.139
#3	1.998	38.26	1.964	1.833	2.017	1.933	1.987	1.918	5.132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 17:27:30 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	1.906	1.992	2.039	1.969	1.998	1.994	1.991
Stddev	.003	.003	.002	.015	.004	.001	.004	.002
%RSD	.1573	.1643	.1087	.7159	.1853	.0231	.2221	.0783
#1	2.013	1.909	1.990	2.044	1.973	1.998	1.998	1.992
#2	2.008	1.903	1.994	2.051	1.967	1.998	1.989	1.992
#3	2.007	1.906	1.993	2.023	1.966	1.998	1.995	1.989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4611.5	58321.	10571.	1715.7
Stddev	1.9	68.	42.	1.0
%RSD	.04147	.11662	.40049	.05773
#1	4609.3	58328.	10618.	1715.1
#2	4612.7	58386.	10559.	1716.9
#3	4612.4	58250.	10536.	1715.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 17:32:18 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	-.0090	.0000	.0025	.0002	-.0000	-.0005	-.0058	.0003
Stddev	.0004	.0058	.0004	.0005	.0003	.0000	.0022	.0033	.0002
%RSD	35.43	64.40	4925.	19.16	144.4	131.6	415.4	57.00	55.10
#1	-.0007	-.0135	-.0001	.0027	.0003	-.0000	-.0018	-.0022	.0003
#2	-.0013	-.0109	-.0003	.0028	.0004	-.0000	-.0017	-.0087	.0002
#3	-.0013	-.0025	.0004	.0020	-.0001	-.0000	.0020	-.0064	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0000	-.0001	-.0011	.0058	.0100	.0012	-.0020	-.0000
Stddev	.0020	.0004	.0001	.0002	.0013	.0045	.0009	.0093	.0000
%RSD	3001.	1411.	122.7	22.48	22.39	45.63	70.90	467.0	366.7
#1	-.0023	.0004	-.0002	-.0008	.0053	.0070	.0005	.0087	.0000
#2	.0012	-.0001	-.0000	-.0011	.0048	.0077	.0011	-.0062	-.0001
#3	.0009	-.0004	-.0000	-.0013	.0073	.0152	.0022	-.0085	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0118	.0001	.0089	.0000	-.0046	.0017	-.0026	.0018
Stddev	.0005	.0079	.0005	.0027	.0013	.0043	.0006	.0019	.0015
%RSD	90.54	66.74	524.5	30.38	4611.	93.77	35.32	74.27	84.71
#1	.0010	.0113	-.0005	.0059	-.0000	-.0067	.0017	-.0020	.0010
#2	.0005	.0199	.0002	.0111	.0014	.0004	.0011	-.0011	.0035
#3	.0000	.0042	.0005	.0097	-.0013	-.0075	.0024	-.0048	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 17:32:18 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**.0002**	**.0002**	**.0004**	**.0005**	**-.0000**	**.0001**
Stddev	.0009	.0000	.0002	.0009	.0003	.0009	.0002	.0001
%RSD	484.2	86.01	160.3	435.6	65.18	206.7	419.7	251.4
#1	-.0009	.0001	-.0001	.0011	.0003	.0009	-.0003	-.0001
#2	-.0005	.0000	.0004	-.0005	.0007	.0011	.0001	.0001
#3	.0008	.0001	.0002	-.0000	.0002	-.0006	-.0000	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5048.8**	**60514.**	**10546.**	**1754.5**
Stddev	3.4	25.	35.	4.0
%RSD	.06714	.04156	.33509	.22963
#1	5052.1	60523.	10530.	1759.0
#2	5049.0	60532.	10521.	1753.0
#3	5045.4	60485.	10587.	1751.4

Zoom In Zoom Out

Sample Name: mp35088-mb1 7 Acquired: 9/13/2022 17:37:29 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**.0010**	**.0004**	**.0022**	**.0001**	**.0000**	**-.0018**	**.0071**	**-.0001**
Stddev	.0003	.0062	.0008	.0005	.0002	.0001	.0009	.0022	.0002
%RSD	20.64	594.8	189.3	23.23	154.3	246.8	47.76	31.08	186.0
#1	-.0017	.0014	.0008	.0021	-.0000	.0001	-.0008	.0061	-.0001
#2	-.0013	.0071	-.0005	.0028	.0001	-.0000	-.0023	.0056	-.0002
#3	-.0012	-.0054	.0010	.0018	.0004	.0000	-.0023	.0096	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0002**	**-.0001**	**-.0005**	**.0118**	**-.0055**	**.0009**	**.0011**	**.0001**
Stddev	.0031	.0001	.0004	.0003	.0022	.0131	.0004	.0281	.0000
%RSD	3374.	40.79	261.4	57.13	19.01	237.7	48.30	2486.	9.570
#1	.0027	-.0002	.0002	-.0006	.0120	.0074	.0014	-.0276	.0001
#2	-.0033	-.0001	-.0001	-.0008	.0139	-.0189	.0006	.0286	.0001
#3	.0009	-.0002	-.0005	-.0002	.0095	-.0050	.0006	.0024	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0132**	**-.0004**	**.0070**	**-.0003**	**.0010**	**.0016**	**.0008**	**.0069**
Stddev	.0001	.0057	.0001	.0029	.0002	.0106	.0011	.0022	.0010
%RSD	69.34	42.90	24.38	40.71	87.35	1010.	70.10	288.4	14.57
#1	.0001	.0174	-.0005	.0054	-.0003	-.0087	.0028	-.0005	.0080
#2	.0003	.0155	-.0005	.0103	-.0001	-.0005	.0016	.0033	.0060
#3	.0002	.0067	-.0003	.0054	-.0005	.0123	.0005	-.0005	.0068

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**.0000**	**.0000**	**-.0013**	**.0002**	**.0000**	**.0011**	**.0001**
Stddev	.0016	.0000	.0003	.0012	.0004	.0009	.0001	.0001
%RSD	78.77	55.64	664.9	91.53	235.8	17000.	8.644	104.1
#1	-.0011	.0000	.0002	-.0007	.0005	.0009	.0011	-.0000
#2	-.0011	.0001	-.0003	-.0028	-.0002	-.0010	.0010	.0001
#3	-.0040	.0000	.0002	-.0005	.0001	.0001	.0011	.0001

Zoom In Zoom Out

Sample Name: mp35088-mb1 7 Acquired: 9/13/2022 17:37:29 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5073.0**	**61178.**	**10738.**	**1755.9**
Stddev	7.1	132.	19.	2.3
%RSD	.13920	.21555	.18005	.13264
#1	5071.0	61067.	10730.	1754.4
#2	5067.2	61324.	10724.	1754.7
#3	5080.9	61144.	10760.	1758.5

Zoom In Zoom Out

Sample Name: mp35088-lb1 Acquired: 9/13/2022 17:42:38 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0131**	**.0044**	**.0100**	**.0086**	**.0000**	**-.0006**	**.5506**	**-.0001**
Stddev	.0004	.0008	.0013	.0003	.0000	.0001	.0006	.0018	.0002
%RSD	60.67	6.211	28.36	3.494	.4789	342.7	98.23	.3209	265.5
#1	-.0002	.0140	.0056	.0101	.0087	-.0001	-.0007	.5524	-.0002
#2	-.0009	.0130	.0031	.0103	.0086	.0000	.0000	.5488	-.0003
#3	-.0009	.0124	.0045	.0096	.0086	.0001	-.0012	.5506	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0003**	**.0016**	**.0134**	**.0263**	**.1880**	**.0056**	**.0602**	**.0015**
Stddev	.0017	.0005	.0007	.0006	.0014	.0046	.0007	.0110	.0000
%RSD	784.5	180.3	46.36	4.229	5.335	2.427	12.44	18.30	1.555
#1	-.0002	.0005	.0008	.0139	.0248	.1894	.0048	.0694	.0015
#2	-.0020	.0006	.0016	.0128	.0265	.1917	.0059	.0480	.0014
#3	.0015	-.0003	.0022	.0135	.0276	.1829	.0060	.0631	.0015

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	F **1292.**	**.0017**	**.0487**	**.0095**	**.0656**	**.0013**	**.0018**	**.0972**
Stddev	.0003	8.	.0003	.0036	.0018	.0045	.0012	.0022	.0013
%RSD	37.68	.6435	20.39	7.377	18.71	6.864	97.49	118.0	1.304
#1	.0007	1288.	.0014	.0487	.0099	.0608	.0024	.0043	.0974
#2	.0006	1286.	.0017	.0523	.0075	.0663	-.0001	.0009	.0983
#3	.0012	1301.	.0020	.0451	.0110	.0697	.0014	.0003	.0958

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.0031**	**.0000**	**.0015**	**.0005**	**-.0008**	**.0379**	**-.0001**
Stddev	.0004	.0001	.0001	.0020	.0002	.0019	.0001	.0001
%RSD	22.90	2.443	13590.	131.4	48.24	254.6	.3507	124.3
#1	.0022	.0030	-.0000	.0000	.0002	.0000	.0381	-.0003
#2	.0014	.0032	-.0001	.0037	.0007	-.0030	.0379	-.0000
#3	.0019	.0031	.0001	.0007	.0005	.0007	.0379	-.0000

Zoom In Zoom Out

Sample Name: mp35088-lb1 Acquired: 9/13/2022 17:42:38 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3993.3**	**54631.**	**10457.**	**1566.9**
Stddev	5.0	122.	65.	2.0
%RSD	.12550	.22353	.61908	.12661
#1	3987.5	54490.	10495.	1569.2
#2	3996.0	54701.	10495.	1565.5
#3	3996.4	54702.	10382.	1566.1

Zoom In Zoom Out

Sample Name: mp35088-b1 Acquired: 9/13/2022 17:47:55 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2374**	**24.67**	**1.921**	**1.893**	**1.866**	**1.910**	W **-.0173**	**24.90**
Stddev	.0008	.03	.005	.008	.003	.002	.0011	.09
%RSD	.3413	.1172	.2378	.4032	.1372	.0804	6.523	.3448
#1	.2377	24.68	1.925	1.902	1.869	1.912	-.0179	24.98
#2	.2379	24.70	1.923	1.891	1.865	1.909	-.0160	24.93
#3	.2364	24.64	1.916	1.887	1.864	1.910	-.0179	24.81

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.885**	**.1679**	**1.903**	**1.921**	**1.836**	**25.35**	**24.12**	**.0027**
Stddev	.003	.0034	.002	.004	.004	.02	.03	.0003
%RSD	.1370	2.022	.1057	.1992	.2117	.0726	.1340	11.68
#1	1.887	.1640	1.906	1.918	1.833	25.37	24.10	.0029
#2	1.885	.1696	1.903	1.925	1.840	25.33	24.15	.0029
#3	1.882	.1700	1.902	1.919	1.835	25.34	24.09	.0024

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.53**	**1.945**	**1.991**	**24.54**	**1.895**	**1.735**	**1.930**	F **-.1359**
Stddev	.13	.002	.004	.06	.002	.014	.001	.0051
%RSD	.5277	.0971	.1997	.2432	.1139	.8303	.0262	3.785
#1	24.60	1.947	1.995	24.60	1.897	1.751	1.931	-.1419
#2	24.60	1.944	1.989	24.52	1.893	1.733	1.930	-.1326
#3	24.38	1.943	1.987	24.48	1.893	1.722	1.930	-.1334

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.958**	**1.858**	**.1179**	**2.000**	**1.859**	**1.963**	**2.005**	**1.916**
Stddev	.003	.005	.0015	.006	.002	.002	.005	.003
%RSD	.1447	.2623	1.277	.3226	.0877	.1001	.2396	.1412
#1	1.958	1.863	.1181	2.007	1.861	1.965	2.010	1.919
#2	1.961	1.859	.1194	1.999	1.858	1.963	2.004	1.917
#3	1.955	1.853	.1164	1.994	1.857	1.961	2.001	1.913

Zoom In Zoom Out

Sample Name: mp35088-b1 Acquired: 9/13/2022 17:47:55 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.969**	**1.944**	**1.959**
Stddev	.003	.004	.002
%RSD	.1614	.1965	.1045
#1	1.972	1.946	1.960
#2	1.969	1.939	1.960
#3	1.966	1.946	1.956

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4756.9**	**59538.**	**10674.**	**1732.0**
Stddev	2.5	29.	22.	1.8
%RSD	.05312	.04855	.20994	.10306
#1	4754.3	59524.	10656.	1730.1
#2	4757.0	59519.	10667.	1732.5
#3	4759.4	59571.	10699.	1733.6

Zoom In Zoom Out

Sample Name: mp35088-ls1 Acquired: 9/13/2022 17:52:41 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2510**	**24.06**	**2.017**	**1.827**	**1.835**	**1.902**	W **-.0125**	**24.36**
Stddev	.0009	.02	.013	.008	.002	.003	.0003	.07
%RSD	.3530	.0825	.6263	.4554	.1249	.1379	2.741	.2882
#1	.2504	24.07	2.030	1.835	1.836	1.904	-.0126	24.33
#2	.2506	24.08	2.015	1.826	1.836	1.904	-.0121	24.32
#3	.2520	24.04	2.005	1.819	1.832	1.899	-.0127	24.44

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.944**	**.1642**	**1.984**	**1.872**	**1.850**	**24.60**	**24.29**	**.0074**
Stddev	.001	.0019	.005	.007	.005	.04	.07	.0011
%RSD	.0506	1.139	.2329	.3614	.2657	.1464	.3034	14.39
#1	1.945	.1627	1.981	1.864	1.847	24.60	24.27	.0062
#2	1.943	.1637	1.982	1.877	1.847	24.64	24.37	.0077
#3	1.944	.1663	1.989	1.875	1.856	24.57	24.23	.0083

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.49**	**1.892**	**1.892**	F **1269.**	**1.974**	**1.826**	**1.946**	F **-.0834**
Stddev	.05	.002	.009	14.	.002	.021	.005	.0050
%RSD	.2055	.1151	.4733	1.074	.0797	1.131	.2381	6.012
#1	23.47	1.893	1.902	1273.	1.974	1.806	1.942	-.0889
#2	23.46	1.889	1.886	1280.	1.973	1.825	1.944	-.0822
#3	23.55	1.892	1.888	1254.	1.976	1.847	1.951	-.0790

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.931**	**2.010**	**.1317**	**1.842**	**1.831**	**1.914**	**1.770**	**1.889**
Stddev	.000	.006	.0031	.008	.005	.001	.052	.005
%RSD	.0171	.3110	2.374	.4272	.3011	.0297	2.926	.2797
#1	1.931	2.013	.1319	1.850	1.834	1.914	1.829	1.893
#2	1.930	2.014	.1347	1.835	1.835	1.914	1.749	1.883
#3	1.931	2.003	.1284	1.840	1.825	1.915	1.732	1.891

Zoom In Zoom Out

Sample Name: mp35088-ls1 Acquired: 9/13/2022 17:52:41 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.890**	**1.973**	**1.949**
Stddev	.010	.008	.003
%RSD	.5173	.3931	.1345
#1	1.901	1.981	1.951
#2	1.885	1.966	1.946
#3	1.883	1.973	1.951

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3964.8**	**55114.**	**10458.**	**1603.7**
Stddev	7.9	54.	17.	1.3
%RSD	.19841	.09829	.16449	.07988
#1	3970.4	55135.	10467.	1603.2
#2	3968.2	55052.	10469.	1605.1
#3	3955.9	55154.	10438.	1602.7

Zoom In Zoom Out

Sample Name: mp35088-s1 Acquired: 9/13/2022 17:57:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2559**	**24.80**	**2.014**	**1.916**	**2.603**	**1.889**	W **-.0166**	F **452.2**
Stddev	.0003	.08	.007	.004	.004	.003	.0026	1.3
%RSD	.1054	.3144	.3292	.2078	.1582	.1488	15.82	.2862
#1	.2558	24.88	2.008	1.920	2.607	1.892	-.0159	453.2
#2	.2562	24.78	2.021	1.917	2.600	1.887	-.0144	452.7
#3	.2557	24.73	2.013	1.912	2.601	1.887	-.0195	450.8

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.976**	**.4342**	**1.963**	**2.004**	**1.895**	**24.29**	**31.72**	**.0238**
Stddev	.003	.0020	.003	.005	.002	.05	.05	.0003
%RSD	.1489	.4620	.1349	.2295	.0835	.1860	.1558	1.079
#1	1.979	.4361	1.965	2.007	1.895	24.34	31.75	.0237
#2	1.976	.4345	1.960	2.005	1.897	24.25	31.66	.0237
#3	1.973	.4321	1.964	1.999	1.894	24.28	31.75	.0241

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.09**	**5.270**	**1.867**	F **1252.**	**1.981**	**1.925**	**1.919**	**6.692**
Stddev	.05	.013	.003	18.	.002	.004	.002	.009
%RSD	.1394	.2469	.1810	1.457	.0859	.2225	.1258	.1401
#1	39.12	5.279	1.870	1264.	1.983	1.930	1.917	6.696
#2	39.03	5.275	1.868	1261.	1.981	1.923	1.922	6.698
#3	39.12	5.255	1.863	1231.	1.980	1.922	1.919	6.681

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.952**	**2.021**	F **38.31**	**1.770**	**3.195**	**1.891**	**1.735**	**1.877**
Stddev	.004	.009	.14	.002	.007	.001	.007	.006
%RSD	.2328	.4285	.3623	.0992	.2086	.0738	.3803	.3160
#1	1.955	2.021	38.40	1.772	3.203	1.893	1.728	1.878
#2	1.954	2.030	38.39	1.769	3.190	1.892	1.736	1.882
#3	1.947	2.012	38.15	1.770	3.193	1.890	1.741	1.871

Zoom In Zoom Out

Sample Name: mp35088-s1 Acquired: 9/13/2022 17:57:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.911**	**2.035**	**1.920**
Stddev	.004	.007	.004
%RSD	.1823	.3644	.1927
#1	1.914	2.035	1.923
#2	1.911	2.043	1.921
#3	1.907	2.028	1.916

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3781.7**	**54096.**	**10309.**	**1546.2**
Stddev	6.5	54.	62.	5.5
%RSD	.17133	.09975	.59968	.35517
#1	3777.9	54040.	10269.	1544.2
#2	3778.0	54100.	10279.	1541.9
#3	3789.2	54148.	10381.	1552.4

Zoom In Zoom Out

Sample Name: mp35088-s2 Acquired: 9/13/2022 18:02:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2553**	**24.74**	**2.026**	**1.909**	**2.618**	**1.878**	W **-.0174**	F **462.1**
Stddev	.0008	.01	.010	.007	.005	.002	.0013	.5
%RSD	.3250	.0559	.5030	.3828	.1947	.1286	7.446	.1176
#1	.2561	24.72	2.018	1.900	2.618	1.880	-.0159	461.7
#2	.2545	24.75	2.022	1.913	2.623	1.879	-.0180	461.9
#3	.2552	24.74	2.037	1.913	2.613	1.875	-.0183	462.8

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.967**	**.4390**	**1.951**	**1.984**	**1.886**	**24.14**	**31.80**	**.0244**
Stddev	.007	.0036	.005	.004	.004	.02	.08	.0005
%RSD	.3456	.8098	.2600	.1919	.2016	.0860	.2480	2.223
#1	1.963	.4362	1.948	1.986	1.888	24.15	31.77	.0238
#2	1.964	.4379	1.948	1.979	1.888	24.11	31.89	.0245
#3	1.975	.4430	1.957	1.985	1.882	24.14	31.74	.0248

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.32**	**5.319**	**1.877**	F **1248.**	**1.973**	**1.902**	**1.912**	**6.857**
Stddev	.04	.009	.007	19.	.005	.006	.003	.015
%RSD	.0999	.1693	.3525	1.529	.2508	.3184	.1680	.2199
#1	39.37	5.329	1.871	1267.	1.971	1.898	1.909	6.839
#2	39.30	5.312	1.877	1229.	1.969	1.898	1.913	6.864
#3	39.29	5.315	1.884	1248.	1.979	1.909	1.915	6.866

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.960**	**2.025**	F **39.13**	**1.779**	**3.223**	**1.899**	**1.740**	**1.866**
Stddev	.008	.009	.12	.008	.008	.003	.003	.003
%RSD	.3951	.4648	.2956	.4490	.2517	.1638	.1962	.1569
#1	1.953	2.016	39.04	1.774	3.225	1.901	1.742	1.868
#2	1.968	2.025	39.10	1.774	3.230	1.895	1.743	1.866
#3	1.958	2.035	39.26	1.788	3.214	1.900	1.736	1.863

Zoom In Zoom Out

Sample Name: mp35088-s2 Acquired: 9/13/2022 18:02:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.923**	**2.024**	**1.930**
Stddev	.004	.010	.004
%RSD	.1888	.4928	.2039
#1	1.919	2.016	1.935
#2	1.924	2.020	1.929
#3	1.926	2.035	1.927

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3779.6**	**54349.**	**10407.**	**1548.6**
Stddev	4.0	26.	26.	4.3
%RSD	.10620	.04831	.24831	.28032
#1	3780.3	54352.	10379.	1552.1
#2	3783.3	54322.	10411.	1550.0
#3	3775.3	54374.	10430.	1543.8

Zoom In Zoom Out

Sample Name: jd51273-1a Acquired: 9/13/2022 18:07:29 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**.0437**	**.0052**	**.0815**	**.7616**	**.0009**	**-.0041**	F **435.2**
Stddev	.0005	.0064	.0021	.0016	.0011	.0000	.0014	.5
%RSD	22.68	14.61	39.36	1.969	.1489	1.443	33.38	.1107
#1	.0027	.0363	.0030	.0824	.7603	.0008	-.0026	434.7
#2	.0017	.0473	.0070	.0796	.7619	.0009	-.0052	435.7
#3	.0023	.0474	.0058	.0824	.7625	.0009	-.0046	435.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.2838**	**.0009**	**.1752**	**.0116**	**.0338**	**6.960**	**.0238**
Stddev	.0003	.0025	.0002	.0019	.0002	.0018	.055	.0017
%RSD	22.36	.8655	19.63	1.073	2.074	5.256	.7933	7.052
#1	.0010	.2812	.0009	.1737	.0116	.0319	6.898	.0255
#2	.0013	.2841	.0007	.1746	.0118	.0353	6.978	.0222
#3	.0016	.2860	.0010	.1773	.0113	.0342	7.004	.0236

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.11**	**3.500**	**.0024**	F **1202.**	**.0360**	**.0565**	**.0021**	**6.916**
Stddev	.06	.005	.0003	10.	.0003	.0017	.0020	.037
%RSD	.3853	.1415	14.49	.7996	.8898	2.967	92.39	.5406
#1	16.04	3.501	.0027	1204.	.0362	.0546	.0044	6.914
#2	16.17	3.495	.0020	1211.	.0356	.0578	.0013	6.880
#3	16.11	3.505	.0025	1192.	.0362	.0571	.0008	6.955

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0012**	F **38.21**	**-.0032**	**1.373**	**-.0007**	**.0108**	**.0029**
Stddev	.0014	.0026	.20	.0010	.002	.0002	.0043	.0004
%RSD	171.0	213.1	.5229	31.54	.1700	27.92	39.61	14.66
#1	.0007	-.0015	38.44	-.0035	1.370	-.0009	.0118	.0031
#2	.0023	.0016	38.12	-.0021	1.373	-.0009	.0061	.0032
#3	-.0005	.0036	38.08	-.0042	1.375	-.0005	.0144	.0024

Zoom In Zoom Out

Sample Name: jd51273-1a Acquired: 9/13/2022 18:07:29 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0411**	**.1720**	W **-.0024**
Stddev	.0020	.0005	.0002
%RSD	4.791	.2645	9.040
#1	.0414	.1718	-.0022
#2	.0430	.1717	-.0024
#3	.0391	.1725	-.0027

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3802.1**	**54072.**	**10336.**	**1529.4**
Stddev	4.1	71.	30.	8.3
%RSD	.10808	.13209	.28816	.54449
#1	3799.3	54115.	10370.	1521.1
#2	3800.1	54112.	10319.	1529.4
#3	3806.8	53989.	10318.	1537.8

Zoom In Zoom Out

Sample Name: mp35088-sd1 Acquired: 9/13/2022 18:12:42 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**.0367**	**.0046**	**.0963**	**.7774**	**.0009**	**-.0119**	**454.9**
Stddev	.0013	.0249	.0096	.0031	.0033	.0004	.0059	.9
%RSD	65.19	67.91	208.9	3.221	.4249	45.81	49.23	.2052
#1	-.0022	.0091	-.0063	.0980	.7812	.0005	-.0086	455.7
#2	-.0006	.0434	.0082	.0927	.7760	.0013	-.0187	453.9
#3	-.0032	.0576	.0119	.0981	.7751	.0010	-.0085	455.2

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.3091**	**.0016**	**.1849**	**.0142**	**.0548**	**7.210**	**.0449**
Stddev	.0003	.0118	.0015	.0028	.0020	.0149	.038	.0019
%RSD	28.72	3.811	96.12	1.539	14.08	27.18	.5270	4.267
#1	.0013	.2996	-.0002	.1870	.0137	.0580	7.169	.0455
#2	.0008	.3056	.0027	.1859	.0126	.0386	7.217	.0465
#3	.0015	.3223	.0022	.1816	.0165	.0679	7.243	.0428

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.97**	**3.661**	**.0038**	W **1352.**	**.0346**	**.1041**	**-.0044**	**6.700**
Stddev	.05	.014	.0015	15.	.0015	.0046	.0111	.029
%RSD	.3162	.3709	40.39	1.111	4.307	4.436	251.8	.4339
#1	16.96	3.677	.0034	1349.	.0336	.1094	.0042	6.733
#2	16.92	3.656	.0025	1338.	.0363	.1008	-.0170	6.682
#3	17.03	3.651	.0055	1368.	.0338	.1022	-.0005	6.684

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0087**	**.0002**	**38.49**	**-.0090**	**1.390**	**-.0034**	**.0093**	**.0046**
Stddev	.0113	.0120	.07	.0035	.005	.0031	.0048	.0016
%RSD	129.4	5319.	.1799	38.26	.3642	91.92	52.11	34.85
#1	.0016	.0135	38.57	-.0078	1.396	.0002	.0135	.0064
#2	.0217	-.0031	38.44	-.0129	1.387	-.0054	.0104	.0035
#3	.0029	-.0098	38.45	-.0064	1.387	-.0049	.0040	.0039

Zoom In Zoom Out

Sample Name: mp35088-sd1 Acquired: 9/13/2022 18:12:42 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0436**	**.1891**	**-.0031**
Stddev	.0080	.0004	.0015
%RSD	18.25	.2282	48.48
#1	.0509	.1891	-.0046
#2	.0351	.1887	-.0015
#3	.0449	.1895	-.0032

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4380.4**	**57478.**	**10412.**	**1660.0**
Stddev	2.5	238.	49.	3.5
%RSD	.05697	.41431	.47304	.20930
#1	4382.9	57257.	10362.	1655.9
#2	4380.4	57447.	10461.	1662.0
#3	4377.9	57730.	10412.	1662.0

Zoom In Zoom Out

Sample Name: jd51258-1 Acquired: 9/13/2022 18:17:57 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**-.0428**	**.0033**	**.1746**	**.1953**	**-.0001**	**-.0031**	F **459.2**
Stddev	.0006	.0095	.0012	.0002	.0002	.0000	.0011	1.0
%RSD	45.09	22.20	34.65	.1026	.1222	33.54	33.71	.2188
#1	.0009	-.0339	.0030	.1748	.1954	-.0001	-.0040	459.9
#2	.0011	-.0418	.0046	.1747	.1950	-.0001	-.0034	459.7
#3	.0021	-.0528	.0024	.1744	.1954	-.0001	-.0019	458.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.1178**	**.0018**	**.0009**	**.0209**	**.0304**	**4.441**	**.0119**
Stddev	.0001	.0021	.0004	.0001	.0005	.0016	.015	.0004
%RSD	23.88	1.758	23.64	13.69	2.538	5.269	.3448	3.546
#1	.0004	.1158	.0019	.0010	.0205	.0286	4.457	.0124
#2	.0006	.1177	.0013	.0008	.0215	.0309	4.427	.0115
#3	.0007	.1199	.0021	.0010	.0206	.0316	4.439	.0118

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.597**	**.9283**	**.0028**	F **1106.**	**.0088**	**.0718**	**.0034**	**14.05**
Stddev	.022	.0023	.0004	15.	.0002	.0051	.0028	.01
%RSD	.2895	.2437	14.15	1.363	2.771	7.154	82.06	.0976
#1	7.615	.9300	.0030	1123.	.0089	.0680	.0055	14.04
#2	7.603	.9291	.0023	1103.	.0089	.0697	.0044	14.05
#3	7.573	.9257	.0030	1093.	.0085	.0776	.0002	14.06

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**-.0034**	**24.05**	**-.0032**	**1.743**	**.0001**	**.0034**	**.0086**
Stddev	.0019	.0033	.02	.0017	.005	.0001	.0002	.0003
%RSD	44.74	96.74	.0631	53.20	.2857	123.3	4.638	3.402
#1	.0059	.0002	24.04	-.0047	1.748	.0001	.0033	.0083
#2	.0049	-.0062	24.07	-.0013	1.739	-.0000	.0036	.0088
#3	.0022	-.0043	24.05	-.0036	1.742	.0002	.0033	.0088

Zoom In Zoom Out

Sample Name: jd51258-1 Acquired: 9/13/2022 18:17:57 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0264**	**.0254**	W **-.0013**
Stddev	.0006	.0003	.0001
%RSD	2.395	1.204	7.281
#1	.0258	.0252	-.0014
#2	.0263	.0257	-.0012
#3	.0270	.0252	-.0014

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3843.3**	**53740.**	**10184.**	**1521.1**
Stddev	1.9	49.	5.	2.5
%RSD	.05030	.09103	.05116	.16575
#1	3841.1	53686.	10189.	1523.7
#2	3844.3	53752.	10185.	1518.6
#3	3844.6	53781.	10179.	1520.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 18:23:14 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2444**	**38.00**	**1.952**	**1.965**	**1.898**	**1.944**	**1.946**	**38.52**	**1.935**
Stddev	.0009	.06	.007	.011	.003	.001	.007	.08	.005
%RSD	.3562	.1606	.3601	.5505	.1420	.0612	.3621	.2003	.2483
#1	.2435	38.06	1.953	1.958	1.896	1.943	1.944	38.61	1.938
#2	.2452	38.01	1.958	1.977	1.901	1.946	1.954	38.48	1.938
#3	.2444	37.94	1.944	1.960	1.896	1.944	1.941	38.46	1.930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**1.979**	**1.980**	**1.880**	**39.03**	**37.40**	**1.923**	**38.34**	**1.998**
Stddev	.001	.000	.006	.001	.04	.10	.005	.08	.003
%RSD	.0582	.0115	.2977	.0590	.0933	.2793	.2440	.1981	.1675
#1	1.997	1.979	1.987	1.878	39.00	37.33	1.926	38.28	2.002
#2	1.995	1.979	1.980	1.881	39.07	37.52	1.926	38.43	1.997
#3	1.997	1.979	1.975	1.879	39.01	37.36	1.918	38.31	1.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**37.37**	**1.968**	**1.808**	**2.006**	**1.909**	**1.977**	**1.926**	**5.122**
Stddev	.005	.18	.002	.004	.002	.014	.007	.014	.018
%RSD	.2759	.4697	.0763	.2447	.0851	.7450	.3334	.7204	.3431
#1	1.994	37.18	1.969	1.805	2.008	1.894	1.970	1.910	5.115
#2	2.002	37.53	1.966	1.806	2.004	1.921	1.984	1.933	5.142
#3	1.991	37.40	1.968	1.813	2.007	1.913	1.976	1.935	5.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 18:23:14 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.005**	**1.892**	**1.987**	**2.023**	**1.968**	**1.998**	**2.006**	**1.985**
Stddev	.001	.005	.001	.018	.001	.002	.003	.001
%RSD	.0338	.2806	.0407	.9127	.0579	.1013	.1293	.0592
#1	2.005	1.888	1.987	2.005	1.968	2.001	2.008	1.983
#2	2.004	1.898	1.988	2.022	1.970	1.997	2.008	1.986
#3	2.004	1.890	1.986	2.042	1.968	1.998	2.003	1.984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4621.3**	**58395.**	**10465.**	**1719.9**
Stddev	8.1	118.	19.	4.4
%RSD	.17523	.20213	.17965	.25338
#1	4614.1	58262.	10485.	1716.9
#2	4630.1	58433.	10447.	1718.0
#3	4619.9	58489.	10463.	1724.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 18:28:03 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0101**	**.0004**	**.0032**	**.0000**	**.0001**	**-.0008**	**-.0042**	**.0001**
Stddev	.0005	.0010	.0006	.0007	.0001	.0000	.0019	.0008	.0004
%RSD	47.30	9.854	154.5	22.03	319.0	35.39	227.8	18.01	313.9
#1	-.0007	-.0110	.0009	.0037	-.0001	.0001	-.0029	-.0046	.0004
#2	-.0007	-.0090	.0004	.0035	.0001	.0002	-.0005	-.0047	.0002
#3	-.0015	-.0104	-.0002	.0024	.0001	.0001	.0008	-.0033	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0024**	**-.0000**	**-.0005**	**-.0001**	**.0027**	**.0824**	**.0028**	**.0217**	**.0001**
Stddev	.0032	.0003	.0003	.0004	.0011	.0176	.0008	.0025	.0000
%RSD	133.6	625.2	67.55	240.6	41.26	21.36	27.86	11.53	21.83
#1	-.0026	.0002	-.0005	.0001	.0014	.0668	.0024	.0206	.0001
#2	-.0054	-.0003	-.0008	.0001	.0034	.0789	.0023	.0246	.0002
#3	.0009	-.0000	-.0001	-.0006	.0032	.1015	.0037	.0200	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.1864**	**.0001**	**.0101**	**-.0000**	**-.0061**	**.0003**	**-.0012**	**.0013**
Stddev	.0000	.0026	.0001	.0003	.0011	.0036	.0008	.0012	.0012
%RSD	5.409	1.415	146.4	3.352	7465.	59.07	276.0	97.68	93.52
#1	.0003	.1836	.0003	.0097	.0011	-.0075	.0011	.0001	.0000
#2	.0004	.1889	-.0000	.0102	-.0002	-.0087	.0001	-.0014	.0014
#3	.0003	.1866	.0001	.0103	-.0010	-.0020	-.0004	-.0023	.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 18:28:03 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0000**	**-.0001**	**-.0006**	**.0001**	**.0002**	**-.0002**	**.0002**
Stddev	.0004	.0000	.0003	.0009	.0003	.0006	.0002	.0001
%RSD	63.81	82.49	422.4	154.3	274.2	228.4	126.3	49.11
#1	-.0009	.0000	.0003	-.0008	.0001	-.0003	-.0000	.0003
#2	-.0009	.0001	-.0003	.0004	-.0002	.0002	-.0001	.0001
#3	-.0002	.0001	-.0002	-.0013	.0004	.0008	-.0004	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5072.5**	**60634.**	**10559.**	**1768.1**
Stddev	8.9	125.	44.	5.9
%RSD	.17568	.20583	.41558	.33327
#1	5064.7	60505.	10523.	1761.4
#2	5070.6	60643.	10547.	1770.5
#3	5082.2	60754.	10608.	1772.5

Zoom In Zoom Out

Sample Name: jd50441-1ar Acquired: 9/13/2022 18:33:14 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0022**	**.0033**	**.0723**	**.4179**	**.0000**	**-.0018**	**158.9**	**.0016**
Stddev	.0007	.0062	.0019	.0008	.0006	.0001	.0012	.3	.0001
%RSD	219.5	280.4	56.80	1.099	.1389	460.7	63.72	.1744	9.100
#1	-.0004	.0043	.0025	.0732	.4177	-.0000	-.0016	159.2	.0017
#2	.0004	-.0079	.0055	.0717	.4185	-.0000	-.0031	158.6	.0017
#3	.0009	-.0030	.0020	.0722	.4174	.0001	-.0008	158.8	.0015
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0552**	**.0027**	**.0002**	**.0208**	**.0141**	**3.624**	**.0135**	**41.77**	**.5090**
Stddev	.0012	.0002	.0002	.0005	.0020	.034	.0005	.03	.0010
%RSD	2.098	6.668	70.30	2.636	14.36	.9248	3.767	.0695	.1883
#1	.0564	.0025	.0004	.0204	.0118	3.586	.0138	41.80	.5101
#2	.0541	.0029	.0002	.0206	.0155	3.639	.0137	41.76	.5085
#3	.0550	.0026	.0001	.0214	.0150	3.648	.0129	41.74	.5085
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	F **1094.**	**.0197**	**.1101**	**.0314**	**1.225**	**.0012**	**.0028**	**3.078**
Stddev	.0002	20.	.0005	.0034	.0011	.009	.0022	.0042	.008
%RSD	85.09	1.837	2.301	3.116	3.426	.7058	178.1	146.5	.2708
#1	-.0000	1114.	.0196	.1138	.0310	1.234	.0019	.0076	3.084
#2	-.0004	1094.	.0202	.1095	.0326	1.217	.0031	.0004	3.069
#3	-.0004	1074.	.0194	.1070	.0305	1.225	-.0012	.0004	3.082

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.5840**	**-.0003**	**.0011**	**.0005**	**.0056**	**.3958**	**-.0001**
Stddev	.0008	.0014	.0002	.0025	.0003	.0017	.0017	.0003
%RSD	54.87	.2357	78.50	231.3	51.71	31.03	.4287	381.7
#1	-.0023	.5831	-.0005	-.0016	.0003	.0058	.3956	.0002
#2	-.0008	.5855	-.0001	.0033	.0008	.0072	.3976	-.0003
#3	-.0013	.5832	-.0003	.0015	.0005	.0037	.3942	-.0001

Zoom In Zoom Out

Sample Name: jd50441-1ar Acquired: 9/13/2022 18:33:14 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3919.1**	**54291.**	**10313.**	**1544.6**
Stddev	6.6	133.	35.	6.0
%RSD	.16939	.24432	.33488	.38756
#1	3914.0	54152.	10275.	1538.6
#2	3916.7	54306.	10343.	1550.5
#3	3926.6	54416.	10322.	1544.6

Zoom In Zoom Out

Sample Name: jd50441-2ar Acquired: 9/13/2022 18:38:28 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0374**	**.0047**	**.1116**	**.4468**	**.0000**	**-.0014**	F **282.0**	**.0082**
Stddev	.0004	.0105	.0007	.0011	.0002	.0001	.0011	1.0	.0002
%RSD	32.32	28.08	14.51	.9917	.0527	113.4	80.04	.3416	2.019
#1	.0014	.0295	.0050	.1126	.4467	.0001	-.0021	283.1	.0084
#2	.0007	.0334	.0039	.1104	.4466	.0000	-.0020	281.3	.0083
#3	.0013	.0493	.0051	.1118	.4470	.0000	-.0001	281.6	.0081

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1228**	**.0142**	**.0014**	**.0184**	**.0363**	**4.895**	**.0126**	**8.323**	**1.382**
Stddev	.0027	.0005	.0002	.0003	.0012	.015	.0006	.051	.004
%RSD	2.184	3.639	14.52	1.450	3.312	.3021	4.671	.6100	.2853
#1	.1218	.0147	.0013	.0181	.0373	4.910	.0132	8.341	1.386
#2	.1258	.0137	.0017	.0185	.0367	4.880	.0126	8.362	1.383
#3	.1208	.0142	.0014	.0187	.0350	4.894	.0120	8.265	1.378

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	F **1059.**	**.0103**	**.0700**	**.9899**	**7.182**	**.0049**	**.0016**	**8.636**
Stddev	.0001	8.	.0001	.0031	.0021	.007	.0008	.0036	.006
%RSD	19.38	.7506	1.266	4.431	.2164	.1034	17.13	227.5	.0718
#1	.0005	1068.	.0104	.0678	.9881	7.185	.0042	.0033	8.637
#2	.0006	1053.	.0101	.0688	.9923	7.173	.0058	-.0026	8.641
#3	.0004	1055.	.0103	.0736	.9895	7.187	.0046	.0040	8.629

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**1.038**	**-.0002**	**.0039**	**.0022**	**.0112**	**2.312**	**-.0006**
Stddev	.0014	.000	.0004	.0031	.0003	.0012	.002	.0002
%RSD	97.06	.0257	171.6	78.21	12.59	10.68	.0898	27.69
#1	.0002	1.038	-.0002	.0046	.0024	.0124	2.310	-.0004
#2	-.0025	1.038	.0002	.0067	.0023	.0100	2.312	-.0007
#3	-.0021	1.038	-.0007	.0006	.0019	.0111	2.314	-.0007

Zoom In Zoom Out

Sample Name: jd50441-2ar Acquired: 9/13/2022 18:38:28 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3894.7**	**54214.**	**10289.**	**1538.3**
Stddev	3.2	149.	49.	1.9
%RSD	.08129	.27435	.47911	.12432
#1	3893.0	54088.	10238.	1536.6
#2	3892.7	54175.	10337.	1537.9
#3	3898.3	54378.	10292.	1540.4

Zoom In Zoom Out

Sample Name: jd50441-3ar Acquired: 9/13/2022 18:43:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0678**	**.0036**	**.0753**	**.2705**	**.0002**	**-.0008**	**32.24**	**.0002**
Stddev	.0002	.0059	.0011	.0002	.0004	.0001	.0006	.03	.0002
%RSD	24.95	8.759	30.74	.2657	.1612	62.15	78.44	.0952	68.90
#1	-.0005	.0650	.0036	.0751	.2710	.0002	-.0013	32.24	.0002
#2	-.0008	.0746	.0046	.0753	.2705	.0003	-.0008	32.21	.0001
#3	-.0006	.0637	.0025	.0755	.2701	.0001	-.0001	32.27	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0083**	**.0000**	**.0006**	**.0023**	**.0295**	**4.530**	**.0088**	**3.664**	**.0279**
Stddev	.0054	.0004	.0005	.0006	.0018	.013	.0010	.014	.0002
%RSD	65.46	1027.	76.05	25.02	6.181	.2940	11.66	.3855	.8933
#1	.0136	-.0004	.0010	.0020	.0282	4.518	.0077	3.670	.0281
#2	.0027	.0001	.0009	.0019	.0316	4.544	.0092	3.648	.0276
#3	.0085	.0004	.0001	.0029	.0287	4.528	.0096	3.674	.0279

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	F **1028.**	**.0018**	**.0266**	**.0064**	**4.841**	**.0000**	**.0031**	**2.971**
Stddev	.0003	21.	.0005	.0015	.0021	.013	.0004	.0036	.009
%RSD	79.17	2.043	29.19	5.459	32.99	.2620	2511.	118.7	.2938
#1	-.0007	1046.	.0022	.0253	.0078	4.840	.0004	.0014	2.970
#2	-.0002	1005.	.0012	.0264	.0073	4.828	.0001	.0006	2.963
#3	-.0002	1032.	.0019	.0282	.0040	4.854	-.0004	.0072	2.980

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.2116**	**.0003**	**.0015**	**.0003**	**.0031**	**.0769**	**-.0001**
Stddev	.0010	.0004	.0003	.0029	.0001	.0010	.0003	.0002
%RSD	112.0	.2044	117.4	192.5	55.81	32.72	.3632	185.3
#1	.0001	.2121	-.0001	.0046	.0004	.0022	.0769	-.0001
#2	-.0009	.2113	.0004	.0009	.0002	.0029	.0772	.0001
#3	-.0020	.2114	.0005	-.0010	.0001	.0042	.0766	-.0003

Zoom In Zoom Out

Sample Name: jd50441-3ar Acquired: 9/13/2022 18:43:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4055.3**	**55090.**	**10323.**	**1587.2**
Stddev	6.4	191.	36.	1.6
%RSD	.15772	.34670	.34844	.10113
#1	4048.0	54871.	10300.	1588.8
#2	4059.5	55219.	10365.	1587.2
#3	4058.5	55181.	10305.	1585.6

Zoom In Zoom Out

Sample Name: jd50441-4ar Acquired: 9/13/2022 18:48:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0404**	**.0021**	**.1030**	**.2757**	**.0001**	**-.0012**	**94.80**	**.0013**
Stddev	.0002	.0081	.0013	.0009	.0004	.0001	.0005	.19	.0002
%RSD	465.6	20.09	61.98	.8420	.1590	83.78	43.43	.1968	13.47
#1	-.0000	.0437	.0009	.1037	.2753	.0000	-.0012	95.01	.0012
#2	-.0003	.0462	.0019	.1034	.2757	.0002	-.0016	94.64	.0013
#3	.0001	.0311	.0035	.1020	.2761	.0002	-.0006	94.77	.0015

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0229**	**.0001**	**.0015**	**.0040**	**.0378**	**6.242**	**.0100**	**5.665**	**.1351**
Stddev	.0008	.0002	.0004	.0005	.0013	.009	.0011	.034	.0002
%RSD	3.399	172.4	24.24	12.99	3.331	.1475	10.57	.5937	.1315
#1	.0230	.0003	.0018	.0045	.0369	6.243	.0094	5.703	.1352
#2	.0236	-.0000	.0011	.0037	.0392	6.250	.0095	5.655	.1349
#3	.0221	.0000	.0014	.0036	.0373	6.232	.0113	5.638	.1352

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	F **990.1**	**.0036**	**.0319**	**.0169**	**5.990**	**.0015**	**.0030**	**3.879**
Stddev	.0001	10.3	.0004	.0017	.0017	.014	.0009	.0043	.007
%RSD	92.91	1.042	10.70	5.240	9.902	.2266	64.82	140.0	.1820
#1	.0000	993.4	.0034	.0304	.0164	5.983	.0015	.0028	3.886
#2	-.0001	978.6	.0034	.0317	.0187	6.005	.0024	-.0011	3.879
#3	-.0001	998.4	.0040	.0337	.0155	5.980	.0005	.0074	3.872

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.3205**	**-.0003**	**-.0018**	**.0001**	**.0042**	**.0724**	**-.0003**
Stddev	.0003	.0006	.0004	.0016	.0003	.0010	.0003	.0002
%RSD	26.87	.1781	152.8	90.28	240.0	23.52	.4159	59.38
#1	-.0007	.3200	-.0003	-.0030	.0004	.0030	.0726	-.0001
#2	-.0011	.3203	.0002	-.0026	-.0002	.0048	.0720	-.0005
#3	-.0012	.3211	-.0007	.0001	.0002	.0046	.0725	-.0003

Zoom In Zoom Out

Sample Name: jd50441-4ar Acquired: 9/13/2022 18:48:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3990.0**	**54632.**	**10387.**	**1569.6**
Stddev	3.9	7.	66.	4.7
%RSD	.09829	.01217	.63419	.30201
#1	3988.8	54637.	10319.	1568.6
#2	3986.9	54624.	10393.	1565.4
#3	3994.4	54633.	10450.	1574.7

Zoom In Zoom Out

Sample Name: jd50441-5ar Acquired: 9/13/2022 18:54:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**-.0139**	**.0035**	**.2421**	**.1665**	**-.0001**	**-.0032**	F **391.4**
Stddev	.0006	.0062	.0013	.0016	.0007	.0001	.0007	2.0
%RSD	35.31	44.74	38.37	.6404	.4330	107.9	23.41	.5039
#1	.0013	-.0098	.0025	.2406	.1669	-.0001	-.0039	391.9
#2	.0014	-.0107	.0050	.2420	.1657	-.0000	-.0024	389.3
#3	.0023	-.0210	.0029	.2437	.1669	-.0000	-.0032	393.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**.0622**	**.0001**	**.0034**	**.0043**	**.0329**	**7.613**	**.0296**
Stddev	.0001	.0025	.0004	.0001	.0002	.0016	.023	.0010
%RSD	2.932	4.061	360.3	3.399	5.729	4.807	.2982	3.420
#1	.0032	.0613	-.0003	.0036	.0041	.0338	7.626	.0295
#2	.0031	.0602	.0004	.0035	.0046	.0311	7.587	.0306
#3	.0032	.0650	.0003	.0033	.0043	.0339	7.626	.0286

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.30**	**.1841**	**.0026**	F **1037.**	**.0096**	**.0806**	**.0081**	**40.29**
Stddev	.13	.0002	.0002	19.	.0003	.0031	.0023	.10
%RSD	1.078	.1274	5.867	1.806	3.031	3.817	27.96	.2491
#1	12.28	.1843	.0026	1048.	.0097	.0793	.0105	40.37
#2	12.18	.1842	.0024	1015.	.0093	.0841	.0079	40.18
#3	12.45	.1839	.0027	1047.	.0098	.0784	.0059	40.33

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0036**	**.0074**	**14.22**	**-.0016**	**1.525**	**.0002**	**.0043**	**.0025**
Stddev	.0004	.0037	.04	.0007	.004	.0002	.0038	.0003
%RSD	11.89	50.24	.2937	43.59	.2570	98.11	88.76	13.61
#1	.0033	.0069	14.23	-.0013	1.527	.0003	.0012	.0029
#2	.0040	.0039	14.17	-.0011	1.520	.0002	.0086	.0024
#3	.0033	.0113	14.25	-.0023	1.527	-.0000	.0031	.0023

Zoom In Zoom Out

Sample Name: jd50441-5ar Acquired: 9/13/2022 18:54:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0163**	**.1307**	W **-.0012**
Stddev	.0005	.0006	.0001
%RSD	3.116	.4836	7.752
#1	.0167	.1300	-.0013
#2	.0165	.1313	-.0012
#3	.0157	.1309	-.0011

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3862.6**	**53784.**	**10238.**	**1519.3**
Stddev	1.8	78.	96.	4.5
%RSD	.04741	.14443	.93667	.29332
#1	3861.6	53746.	10215.	1515.5
#2	3861.5	53874.	10343.	1524.2
#3	3864.7	53734.	10155.	1518.3

Zoom In Zoom Out

Sample Name: jd50441-6ar Acquired: 9/13/2022 18:59:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0976**	**.0039**	**.2069**	**.3277**	**.0001**	**-.0010**	F **357.5**
Stddev	.0004	.0036	.0018	.0013	.0003	.0001	.0022	.6
%RSD	31.01	3.726	47.16	.6226	.0913	88.03	220.3	.1696
#1	.0015	.1007	.0021	.2077	.3275	.0000	-.0034	358.1
#2	.0009	.0936	.0057	.2076	.3280	.0002	.0009	357.4
#3	.0017	.0986	.0039	.2054	.3275	.0001	-.0005	356.9

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0055**	**.0644**	**.0005**	**.0063**	**.0121**	**.0289**	**7.144**	**.0200**
Stddev	.0004	.0031	.0003	.0001	.0003	.0011	.059	.0011
%RSD	7.894	4.853	53.88	2.361	2.316	3.878	.8329	5.652
#1	.0050	.0636	.0008	.0062	.0124	.0297	7.075	.0190
#2	.0057	.0678	.0004	.0064	.0121	.0293	7.181	.0212
#3	.0057	.0617	.0003	.0061	.0119	.0276	7.175	.0197

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.52**	**.2141**	**.0000**	F **1029.**	**.0091**	**.0617**	**.0922**	**30.27**
Stddev	.11	.0006	.0002	18.	.0006	.0009	.0007	.04
%RSD	.6680	.2825	2388.	1.745	6.606	1.379	.7496	.1216
#1	16.54	.2135	.0001	1050.	.0097	.0620	.0926	30.28
#2	16.40	.2147	.0002	1019.	.0089	.0608	.0927	30.30
#3	16.62	.2142	-.0002	1019.	.0086	.0625	.0914	30.23

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**.0019**	**19.78**	**-.0027**	**1.132**	**-.0007**	**.0045**	**.0014**
Stddev	.0027	.0054	.05	.0008	.002	.0002	.0006	.0003
%RSD	102.7	278.7	.2378	29.54	.1591	33.48	14.32	19.99
#1	-.0003	.0061	19.83	-.0018	1.131	-.0006	.0038	.0017
#2	.0033	.0038	19.77	-.0029	1.134	-.0009	.0051	.0011
#3	.0049	-.0041	19.73	-.0033	1.131	-.0005	.0046	.0015

Zoom In Zoom Out

Sample Name: jd50441-6ar Acquired: 9/13/2022 18:59:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0196**	**.1399**	W **-.0016**
Stddev	.0016	.0004	.0002
%RSD	8.390	.2805	13.41
#1	.0187	.1395	-.0017
#2	.0185	.1402	-.0014
#3	.0214	.1401	-.0018

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3871.2**	**54058.**	**10282.**	**1526.0**
Stddev	3.7	67.	5.	3.5
%RSD	.09616	.12411	.04916	.23238
#1	3867.1	54129.	10278.	1522.3
#2	3874.4	54051.	10288.	1526.5
#3	3872.0	53995.	10280.	1529.3

Zoom In Zoom Out

Sample Name: jd50441-7ar Acquired: 9/13/2022 19:04:33 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	W **-.0678**	**.0050**	**.1637**	**.2638**	**-.0001**	**-.0007**	F **633.3**
Stddev	.0002	.0018	.0020	.0012	.0005	.0001	.0005	.4
%RSD	8.070	2.599	40.13	.7584	.1825	63.77	69.98	.0707
#1	.0026	-.0694	.0037	.1644	.2643	-.0000	-.0001	633.8
#2	.0027	-.0682	.0073	.1644	.2634	-.0002	-.0010	633.1
#3	.0023	-.0659	.0040	.1623	.2636	-.0002	-.0011	633.0

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.1414**	**.0078**	**.0004**	**.0041**	**.0271**	**8.933**	**.0179**
Stddev	.0002	.0019	.0001	.0002	.0003	.0012	.053	.0004
%RSD	21.30	1.367	1.213	46.31	6.171	4.317	.5994	2.452
#1	.0008	.1421	.0079	.0003	.0042	.0283	8.970	.0183
#2	.0010	.1392	.0078	.0002	.0038	.0272	8.958	.0179
#3	.0012	.1429	.0077	.0005	.0042	.0259	8.872	.0174

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.065**	**.9505**	**.0018**	F **1034.**	**.0095**	**.1655**	**.0086**	**15.36**
Stddev	.032	.0010	.0005	16.	.0010	.0050	.0009	.04
%RSD	.4556	.1101	29.29	1.569	10.30	3.000	10.86	.2424
#1	7.036	.9493	.0017	1019.	.0105	.1650	.0076	15.39
#2	7.099	.9510	.0024	1033.	.0085	.1608	.0095	15.32
#3	7.059	.9511	.0013	1051.	.0095	.1707	.0088	15.37

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**-.0005**	**23.00**	**-.0028**	**2.106**	**-.0010**	**.0064**	**.0057**
Stddev	.0033	.0039	.01	.0012	.004	.0002	.0013	.0005
%RSD	65.60	754.3	.0594	41.95	.2034	24.82	21.01	8.316
#1	.0089	.0022	23.00	-.0042	2.110	-.0007	.0076	.0057
#2	.0028	-.0050	22.99	-.0024	2.107	-.0010	.0066	.0062
#3	.0035	.0012	23.01	-.0019	2.102	-.0012	.0050	.0053

Zoom In Zoom Out

Sample Name: jd50441-7ar Acquired: 9/13/2022 19:04:33 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0269**	**.0756**	W **-.0017**
Stddev	.0007	.0004	.0001
%RSD	2.616	.4731	3.349
#1	.0265	.0760	-.0016
#2	.0277	.0756	-.0017
#3	.0264	.0753	-.0017

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3787.4**	**53288.**	**10120.**	**1490.4**
Stddev	6.3	59.	34.	.8
%RSD	.16548	.11074	.33220	.05205
#1	3780.9	53353.	10159.	1490.8
#2	3793.4	53238.	10101.	1490.8
#3	3787.9	53274.	10100.	1489.5

Zoom In Zoom Out

Sample Name: jd50441-8ar Acquired: 9/13/2022 19:09:57 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0938**	**.0067**	**.1076**	**.4835**	**.0002**	**-.0020**	F **248.3**	**.0070**
Stddev	.0003	.0030	.0003	.0005	.0003	.0001	.0017	.4	.0001
%RSD	31.88	3.178	4.246	.4730	.0661	31.25	85.91	.1553	.9764
#1	.0012	.0970	.0070	.1075	.4832	.0001	-.0003	248.5	.0070
#2	.0013	.0933	.0064	.1082	.4836	.0002	-.0037	248.6	.0069
#3	.0007	.0911	.0069	.1072	.4838	.0002	-.0019	247.9	.0070

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1652**	**.0200**	**.0011**	**.0246**	**.0437**	**4.999**	**.0093**	**8.319**	**2.167**
Stddev	.0008	.0002	.0003	.0000	.0015	.005	.0004	.108	.002
%RSD	.4985	1.245	23.71	.1473	3.356	.0985	4.135	1.292	.0987
#1	.1645	.0197	.0014	.0246	.0429	4.996	.0090	8.437	2.168
#2	.1649	.0201	.0009	.0246	.0429	5.004	.0097	8.293	2.165
#3	.1661	.0202	.0011	.0245	.0454	4.996	.0092	8.226	2.169

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	F **963.1**	**.0135**	**.0718**	**1.576**	**5.903**	**.0055**	**.0043**	**5.708**
Stddev	.0003	17.3	.0006	.0008	.003	.018	.0037	.0020	.028
%RSD	265.4	1.794	4.373	1.096	.2001	.3052	67.12	47.67	.4981
#1	.0004	979.5	.0142	.0727	1.575	5.908	.0084	.0058	5.715
#2	-.0002	964.6	.0132	.0712	1.580	5.883	.0068	.0020	5.677
#3	.0001	945.1	.0132	.0716	1.574	5.918	.0013	.0050	5.732

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**.8972**	**.0004**	**.0001**	**.0021**	**.0077**	**1.263**	**-.0005**
Stddev	.0010	.0018	.0004	.0013	.0001	.0013	.002	.0001
%RSD	50.22	.1984	110.5	1773.	6.538	16.83	.1304	28.03
#1	-.0021	.8954	-.0001	.0015	.0022	.0067	1.262	-.0005
#2	-.0010	.8973	.0004	-.0002	.0019	.0073	1.265	-.0005
#3	-.0030	.8990	.0008	-.0011	.0021	.0092	1.263	-.0003

Zoom In Zoom Out

Sample Name: jd50441-8ar Acquired: 9/13/2022 19:09:57 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3923.8**	**54574.**	**10303.**	**1551.9**
Stddev	3.1	106.	32.	7.7
%RSD	.07781	.19464	.31378	.49675
#1	3922.2	54592.	10280.	1549.6
#2	3927.3	54671.	10289.	1560.5
#3	3921.8	54460.	10340.	1545.6

Zoom In Zoom Out

Sample Name: jd50441-9ar Acquired: 9/13/2022 19:15:09 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0324**	**.0002**	**.0949**	**.2125**	**.0001**	**.0008**	**144.7**	**.0018**
Stddev	.0004	.0022	.0001	.0012	.0005	.0000	.0009	.1	.0000
%RSD	117.7	6.650	84.27	1.283	.2336	38.63	107.9	.0785	1.447
#1	.0002	.0308	.0001	.0962	.2121	.0001	-.0001	144.6	.0018
#2	.0000	.0349	.0001	.0947	.2124	.0001	.0008	144.7	.0018
#3	.0007	.0316	.0003	.0938	.2130	.0000	.0017	144.8	.0018

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0396**	**.0017**	**.0013**	**.0267**	**.0079**	**4.468**	**.0152**	**4.400**	**.2642**
Stddev	.0025	.0003	.0002	.0001	.0010	.033	.0006	.020	.0004
%RSD	6.197	15.17	12.78	.2523	12.18	.7426	3.816	.4497	.1658
#1	.0380	.0019	.0013	.0267	.0076	4.439	.0151	4.399	.2644
#2	.0382	.0014	.0011	.0268	.0071	4.460	.0159	4.381	.2646
#3	.0424	.0017	.0015	.0267	.0090	4.504	.0147	4.420	.2637

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	F **1012.**	**.0135**	**.0201**	**.0526**	**21.66**	**.0004**	**.0216**	**4.801**
Stddev	.0004	13.	.0002	.0015	.0008	.03	.0025	.0019	.006
%RSD	56.65	1.282	1.641	7.248	1.577	.1336	560.8	8.879	.1208
#1	-.0010	1027.	.0136	.0203	.0523	21.65	-.0024	.0196	4.803
#2	-.0003	1008.	.0136	.0186	.0535	21.69	.0016	.0218	4.805
#3	-.0006	1002.	.0132	.0215	.0520	21.63	.0022	.0235	4.794

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.6623**	**-.0008**	**-.0006**	**.0002**	**.0064**	**1.075**	**-.0003**
Stddev	.0011	.0014	.0001	.0001	.0004	.0016	.004	.0001
%RSD	104.0	.2173	17.53	12.31	241.4	24.38	.3603	41.96
#1	-.0023	.6608	-.0009	-.0006	.0003	.0046	1.071	-.0003
#2	-.0003	.6623	-.0007	-.0007	.0005	.0075	1.078	-.0002
#3	-.0005	.6637	-.0009	-.0006	-.0003	.0072	1.074	-.0004

Zoom In Zoom Out

Sample Name: jd50441-9ar Acquired: 9/13/2022 19:15:09 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3970.4**	**54522.**	**10352.**	**1560.2**
Stddev	2.7	53.	11.	4.7
%RSD	.06858	.09670	.10900	.30004
#1	3973.1	54467.	10351.	1562.5
#2	3967.6	54572.	10364.	1563.2
#3	3970.4	54526.	10341.	1554.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 19:20:24 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2444**	**38.36**	**1.942**	**1.958**	**1.915**	**1.949**	**1.932**	**38.91**	**1.940**
Stddev	.0001	.05	.006	.010	.001	.003	.011	.04	.006
%RSD	.0592	.1408	.3187	.4908	.0438	.1611	.5793	.0989	.3021
#1	.2443	38.37	1.935	1.947	1.916	1.953	1.919	38.95	1.934
#2	.2443	38.40	1.943	1.962	1.915	1.948	1.937	38.92	1.939
#3	.2446	38.30	1.947	1.964	1.914	1.947	1.940	38.87	1.946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.995**	**1.965**	**1.960**	**1.876**	**39.20**	**37.82**	**1.935**	**38.57**	**1.990**
Stddev	.003	.003	.002	.002	.09	.02	.002	.01	.002
%RSD	.1455	.1551	.0787	.0775	.2293	.0525	.0804	.0388	.0993
#1	1.993	1.968	1.961	1.876	39.30	37.83	1.933	38.57	1.989
#2	1.998	1.962	1.960	1.875	39.15	37.80	1.936	38.56	1.993
#3	1.994	1.967	1.958	1.878	39.14	37.83	1.935	38.59	1.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.994**	**37.18**	**1.967**	**1.821**	**1.999**	**1.908**	**1.964**	**1.928**	**5.107**
Stddev	.004	.16	.001	.007	.004	.003	.003	.003	.016
%RSD	.2031	.4190	.0457	.4031	.2073	.1506	.1573	.1637	.3158
#1	1.990	37.03	1.968	1.829	2.003	1.910	1.961	1.925	5.092
#2	1.993	37.17	1.966	1.820	1.998	1.908	1.965	1.931	5.104
#3	1.998	37.34	1.968	1.815	1.995	1.905	1.967	1.928	5.124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 19:20:24 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**1.912**	**1.984**	**1.985**	**1.967**	**1.997**	**2.003**	**1.982**
Stddev	.001	.001	.002	.011	.004	.006	.002	.001
%RSD	.0426	.0537	.0871	.5426	.1763	.2952	.1025	.0653
#1	1.997	1.913	1.984	1.973	1.966	1.996	2.003	1.982
#2	1.996	1.911	1.983	1.990	1.971	1.991	2.001	1.983
#3	1.998	1.913	1.986	1.993	1.964	2.003	2.005	1.980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4644.8**	**58998.**	**10508.**	**1724.3**
Stddev	4.1	112.	51.	3.5
%RSD	.08752	.19008	.48881	.20124
#1	4641.1	59095.	10449.	1727.5
#2	4649.2	58875.	10530.	1724.8
#3	4644.1	59022.	10545.	1720.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 19:25:12 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0036**	**.0013**	**.0027**	**.0004**	**-.0000**	**-.0011**	**-.0023**	**.0001**
Stddev	.0005	.0072	.0003	.0002	.0003	.0000	.0013	.0007	.0000
%RSD	53.89	203.2	25.70	6.074	69.93	186.1	112.2	30.58	37.04
#1	-.0005	-.0083	.0010	.0027	.0002	.0000	-.0010	-.0031	.0001
#2	-.0015	.0048	.0017	.0029	.0002	-.0000	.0001	-.0019	.0001
#3	-.0009	-.0072	.0013	.0025	.0007	-.0000	-.0024	-.0019	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0001**	**-.0003**	**.0002**	**.0035**	**.0926**	**.0034**	**.0045**	**.0000**
Stddev	.0017	.0004	.0007	.0004	.0012	.0074	.0008	.0151	.0000
%RSD	474.3	298.9	232.7	220.4	34.68	7.948	22.38	337.8	113.1
#1	.0016	.0003	.0005	-.0002	.0046	.0845	.0026	-.0051	.0001
#2	-.0017	-.0004	-.0006	.0001	.0023	.0944	.0041	.0219	.0000
#3	-.0010	-.0003	-.0007	.0007	.0035	.0988	.0036	-.0034	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.2521**	**.0001**	**.0078**	**-.0015**	**-.0027**	**.0004**	**-.0005**	**-.0001**
Stddev	.0003	.0032	.0004	.0030	.0015	.0086	.0012	.0010	.0012
%RSD	148.7	1.254	638.6	38.08	101.6	324.0	296.2	201.1	2358.
#1	.0005	.2558	-.0004	.0044	-.0024	-.0027	-.0008	.0004	-.0012
#2	.0001	.2503	.0004	.0093	-.0023	.0060	.0004	-.0016	-.0003
#3	-.0000	.2503	.0001	.0096	.0003	-.0113	.0016	-.0003	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 19:25:12 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0000**	**-.0001**	**-.0012**	**.0001**	**-.0004**	**-.0001**	**.0001**
Stddev	.0003	.0001	.0001	.0014	.0003	.0003	.0003	.0001
%RSD	42.65	289.4	95.29	114.9	409.0	79.62	560.9	118.4
#1	-.0011	-.0001	-.0000	-.0016	.0003	-.0007	.0003	.0001
#2	-.0005	-.0000	-.0001	-.0025	.0002	-.0003	-.0001	.0002
#3	-.0007	.0000	-.0003	.0003	-.0003	-.0001	-.0003	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5091.9**	**60907.**	**10522.**	**1776.0**
Stddev	8.1	80.	36.	12.8
%RSD	.15890	.13128	.34253	.71952
#1	5086.4	60857.	10488.	1763.4
#2	5101.2	60999.	10560.	1775.6
#3	5088.1	60865.	10518.	1788.9

Zoom In Zoom Out

Sample Name: jd50441-10ar Acquired: 9/13/2022 19:30:24 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.1806**	**.0031**	**.1116**	**.4423**	**.0002**	**-.0016**	**94.01**	**.0046**
Stddev	.0006	.0077	.0005	.0004	.0009	.0001	.0010	.18	.0002
%RSD	1396.	4.245	14.45	.3990	.2005	23.37	63.57	.1885	5.198
#1	.0006	.1813	.0028	.1116	.4433	.0003	-.0014	94.16	.0046
#2	-.0006	.1726	.0036	.1120	.4417	.0002	-.0007	94.07	.0049
#3	.0001	.1879	.0030	.1111	.4419	.0002	-.0026	93.82	.0044

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1398**	**.0303**	**.0010**	**.0153**	**.0773**	**3.607**	**.0075**	**5.249**	**2.046**
Stddev	.0015	.0003	.0005	.0003	.0019	.010	.0004	.042	.005
%RSD	1.093	1.104	46.47	2.165	2.489	.2824	5.179	.8031	.2351
#1	.1406	.0302	.0007	.0152	.0784	3.606	.0075	5.201	2.051
#2	.1407	.0300	.0008	.0157	.0783	3.598	.0071	5.281	2.043
#3	.1380	.0307	.0015	.0150	.0751	3.618	.0079	5.266	2.044

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	F **1063.**	**.0140**	**.0757**	**.4530**	**2.577**	**.0029**	**.0060**	**4.460**
Stddev	.0003	17.	.0004	.0003	.0009	.004	.0011	.0026	.006
%RSD	36.16	1.603	3.085	.3777	.1912	.1486	36.41	44.21	.1453
#1	.0011	1054.	.0138	.0755	.4524	2.572	.0028	.0090	4.454
#2	.0005	1083.	.0136	.0757	.4526	2.579	.0019	.0043	4.459
#3	.0008	1053.	.0145	.0760	.4540	2.579	.0040	.0046	4.467

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.4870**	**.0008**	**.0020**	**.0019**	**.0048**	**1.272**	**.0002**
Stddev	.0004	.0003	.0003	.0005	.0005	.0012	.001	.0002
%RSD	44.60	.0588	29.90	25.33	25.40	24.44	.0634	126.0
#1	-.0005	.4868	.0006	.0014	.0023	.0043	1.272	.0001
#2	-.0012	.4870	.0011	.0020	.0014	.0039	1.273	.0005
#3	-.0012	.4873	.0007	.0024	.0021	.0061	1.271	-.0000

Zoom In Zoom Out

Sample Name: jd50441-10ar Acquired: 9/13/2022 19:30:24 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3994.1**	**54890.**	**10358.**	**1569.7**
Stddev	4.5	174.	36.	1.1
%RSD	.11305	.31717	.35225	.07069
#1	3997.4	54689.	10389.	1570.9
#2	3989.0	54983.	10318.	1569.0
#3	3996.0	54998.	10366.	1569.1

Zoom In Zoom Out

Sample Name: jd50939-1ra Acquired: 9/13/2022 19:35:39 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.2537**	**.0101**	**.1014**	**.2939**	**.0001**	**-.0013**	**44.43**	**.0084**
Stddev	.0003	.0115	.0007	.0009	.0005	.0001	.0016	.10	.0002
%RSD	194.2	4.553	7.096	.8672	.1627	71.07	119.7	.2152	2.576
#1	.0001	.2566	.0100	.1021	.2945	.0000	-.0018	44.54	.0085
#2	-.0001	.2635	.0094	.1004	.2935	.0002	-.0026	44.41	.0085
#3	-.0004	.2409	.0108	.1017	.2939	.0002	.0005	44.35	.0082

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0189**	**.0006**	**.0017**	**.0174**	**.1560**	**4.257**	**.0076**	**4.597**	**.1647**
Stddev	.0011	.0003	.0005	.0003	.0017	.011	.0005	.010	.0002
%RSD	5.763	49.21	28.31	1.971	1.097	.2612	6.637	.2144	.1450
#1	.0201	.0005	.0023	.0175	.1573	4.267	.0081	4.607	.1646
#2	.0180	.0010	.0013	.0177	.1541	4.245	.0076	4.587	.1649
#3	.0187	.0004	.0017	.0171	.1566	4.260	.0071	4.598	.1644

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	F **1065.**	**.0063**	**3.740**	**.1080**	**1.227**	**.0030**	**.0060**	**2.527**
Stddev	.0004	6.	.0001	.006	.0016	.001	.0015	.0023	.009
%RSD	96.50	.5706	1.595	.1711	1.451	.0960	49.13	37.80	.3436
#1	-.0000	1069.	.0062	3.742	.1097	1.227	.0047	.0060	2.522
#2	.0005	1068.	.0064	3.745	.1076	1.226	.0024	.0082	2.537
#3	.0007	1058.	.0064	3.733	.1066	1.228	.0020	.0037	2.523

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.2184**	**.0042**	**-.0015**	**.0028**	**.0008**	**.5641**	**.0005**
Stddev	.0007	.0004	.0001	.0039	.0003	.0011	.0004	.0003
%RSD	481.9	.1634	2.294	267.0	10.27	139.5	.0692	59.70
#1	-.0005	.2188	.0042	.0027	.0027	-.0005	.5640	.0006
#2	.0007	.2183	.0042	-.0020	.0026	.0017	.5638	.0001
#3	-.0006	.2181	.0043	-.0051	.0031	.0012	.5646	.0006

Zoom In Zoom Out

Sample Name: jd50939-1ra Acquired: 9/13/2022 19:35:39 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4036.4**	**55166.**	**10417.**	**1576.6**
Stddev	4.7	65.	44.	4.4
%RSD	.11632	.11838	.42188	.28154
#1	4038.1	55204.	10380.	1578.4
#2	4031.1	55202.	10405.	1571.6
#3	4040.0	55090.	10466.	1579.9

Zoom In Zoom Out

Sample Name: mp35087-b1 3 Acquired: 9/13/2022 19:40:53 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2489**	**26.21**	**1.972**	**1.976**	**2.006**	**2.035**	F **-.0220**	**26.67**
Stddev	.0000	.01	.010	.017	.005	.001	.0005	.04
%RSD	.0039	.0571	.5190	.8782	.2618	.0589	2.234	.1339
#1	.2489	26.21	1.961	1.956	2.008	2.035	-.0219	26.63
#2	.2489	26.23	1.973	1.985	2.010	2.035	-.0226	26.70
#3	.2489	26.20	1.981	1.988	2.000	2.033	-.0216	26.67

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**.1753**	**2.011**	**2.026**	**1.955**	**26.88**	**25.75**	**.0035**
Stddev	.018	.0009	.005	.009	.003	.05	.08	.0007
%RSD	.9202	.5355	.2737	.4374	.1314	.1921	.3253	18.86
#1	1.988	.1751	2.014	2.029	1.957	26.82	25.76	.0035
#2	2.012	.1745	2.004	2.016	1.952	26.91	25.82	.0042
#3	2.024	.1763	2.014	2.033	1.954	26.91	25.66	.0028

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.32**	**2.061**	**2.049**	**25.66**	**2.028**	**1.999**	**2.058**	F **-.1367**
Stddev	.05	.006	.017	.05	.003	.004	.020	.0061
%RSD	.1898	.2719	.8058	.1938	.1424	.2245	.9699	4.445
#1	26.29	2.063	2.030	25.67	2.030	1.994	2.081	-.1425
#2	26.37	2.055	2.053	25.70	2.024	1.999	2.049	-.1304
#3	26.29	2.066	2.062	25.60	2.029	2.003	2.044	-.1371

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**1.929**	**.1271**	**2.071**	**1.999**	**2.073**	**1.825**	**2.034**
Stddev	.003	.003	.0018	.004	.004	.004	.024	.003
%RSD	.1529	.1617	1.447	.1800	.2079	.1830	1.330	.1236
#1	2.022	1.932	.1290	2.069	2.000	2.073	1.852	2.036
#2	2.028	1.929	.1267	2.068	2.003	2.068	1.805	2.031
#3	2.027	1.926	.1254	2.075	1.995	2.076	1.817	2.033

Zoom In Zoom Out

Sample Name: mp35087-b1 3 Acquired: 9/13/2022 19:40:53 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**2.069**	**2.028**	**2.057**
Stddev	.003	.014	.003
%RSD	.1534	.6880	.1353
#1	2.069	2.012	2.058
#2	2.072	2.034	2.054
#3	2.066	2.038	2.059

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4765.7**	**59948.**	**10667.**	**1742.1**
Stddev	4.9	196.	28.	15.8
%RSD	.10205	.32690	.26701	.90632
#1	4766.0	59925.	10698.	1759.9
#2	4770.4	60155.	10662.	1736.2
#3	4760.7	59765.	10641.	1730.0

Zoom In Zoom Out

Sample Name: mp35087-mb1 3 Acquired: 9/13/2022 19:45:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0024**	**.0007**	**.0037**	**.0001**	**-.0000**	**-.0017**	**.0114**	**.0002**
Stddev	.0001	.0060	.0004	.0007	.0001	.0000	.0019	.0032	.0001
%RSD	92.95	249.8	55.14	20.08	47.07	232.5	111.9	27.79	37.58
#1	-.0000	.0018	.0011	.0041	.0001	.0000	-.0034	.0119	.0001
#2	.0002	.0002	.0005	.0028	.0001	-.0000	.0003	.0081	.0002
#3	.0002	-.0092	.0005	.0040	.0002	-.0000	-.0019	.0144	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**-.0001**	**-.0002**	**.0105**	**.0497**	**.0014**	**.0006**	**.0001**
Stddev	.0016	.0004	.0006	.0003	.0018	.0042	.0010	.0263	.0001
%RSD	396.3	118.3	586.3	165.0	17.16	8.491	70.60	4540.	69.31
#1	.0009	.0002	-.0004	-.0005	.0112	.0461	.0016	-.0111	.0002
#2	-.0014	.0000	-.0005	.0001	.0084	.0544	.0003	-.0178	.0002
#3	.0018	.0008	.0006	-.0002	.0118	.0487	.0023	.0306	.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.2155**	**-.0002**	**.0040**	**-.0013**	**-.0028**	**.0003**	**-.0015**	**.0086**
Stddev	.0004	.0017	.0003	.0014	.0005	.0051	.0013	.0047	.0006
%RSD	57.12	.8016	190.9	36.00	38.85	182.8	484.9	316.4	7.429
#1	.0011	.2171	-.0001	.0024	-.0017	-.0071	-.0013	-.0057	.0093
#2	.0007	.2159	.0001	.0051	-.0013	.0028	.0012	.0036	.0082
#3	.0003	.2137	-.0006	.0046	-.0007	-.0041	.0009	-.0024	.0082

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0000**	**-.0002**	**-.0009**	**-.0000**	**-.0001**	**.0014**	**.0003**
Stddev	.0002	.0000	.0005	.0030	.0002	.0004	.0002	.0001
%RSD	27.43	169.0	224.7	340.7	3281.	623.5	13.15	42.17
#1	-.0004	-.0000	-.0005	-.0003	-.0002	-.0002	.0013	.0002
#2	-.0005	.0001	.0003	-.0041	.0002	-.0003	.0015	.0005
#3	-.0007	.0000	-.0005	.0017	-.0000	.0004	.0012	.0004

Zoom In Zoom Out

Sample Name: mp35087-mb1 3 Acquired: 9/13/2022 19:45:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5115.0**	**61946.**	**10658.**	**1767.7**
Stddev	10.6	107.	37.	.8
%RSD	.20760	.17300	.34389	.04478
#1	5102.9	61929.	10700.	1766.9
#2	5122.8	61847.	10632.	1768.5
#3	5119.2	62060.	10641.	1767.8

Zoom In Zoom Out

Sample Name: mp35087-lb1 Acquired: 9/13/2022 19:50:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0194**	**.0002**	**.0088**	**.0042**	**-.0000**	**-.0007**	**.7626**	**.0003**
Stddev	.0004	.0060	.0014	.0002	.0001	.0001	.0007	.0017	.0002
%RSD	192.9	31.08	700.0	2.393	2.929	402.0	109.3	.2181	81.91
#1	.0002	.0244	.0007	.0090	.0041	-.0000	-.0001	.7607	.0002
#2	-.0001	.0211	-.0014	.0086	.0042	.0001	-.0015	.7637	.0005
#3	-.0006	.0127	.0013	.0087	.0043	-.0001	-.0004	.7635	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**-.0000**	**-.0002**	**.0058**	**.0140**	**.7546**	**.0023**	**.1155**	**.0054**
Stddev	.0051	.0000	.0003	.0002	.0015	.0090	.0004	.0174	.0000
%RSD	373.0	212.4	202.3	3.830	10.80	1.196	15.06	15.04	.3437
#1	.0070	.0000	-.0001	.0059	.0155	.7620	.0019	.1222	.0055
#2	-.0027	-.0001	.0002	.0060	.0140	.7445	.0025	.0958	.0054
#3	-.0002	-.0000	-.0005	.0056	.0125	.7573	.0026	.1285	.0054

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.3340**	**.0008**	**.0572**	**.0010**	**.8142**	**.0010**	**-.0020**	**.2274**
Stddev	.0001	.0047	.0002	.0011	.0010	.0125	.0015	.0012	.0002
%RSD	20.39	1.417	27.73	1.838	99.28	1.534	155.1	59.83	.0711
#1	.0004	.3287	.0007	.0566	.0006	.8235	.0022	-.0025	.2273
#2	.0003	.3354	.0006	.0584	.0003	.8192	-.0007	-.0028	.2274
#3	.0003	.3379	.0010	.0566	.0021	.8000	.0014	-.0006	.2276

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0039**	**.0004**	**-.0006**	**.0005**	**.0006**	**.0119**	**.0002**
Stddev	.0010	.0000	.0002	.0009	.0000	.0007	.0001	.0003
%RSD	77.67	.6966	53.62	142.0	6.587	115.0	1.149	135.2
#1	-.0003	.0039	.0004	.0000	.0004	.0000	.0118	.0004
#2	-.0024	.0039	.0005	-.0002	.0005	.0004	.0118	-.0001
#3	-.0013	.0039	.0002	-.0016	.0004	.0013	.0121	.0005

Zoom In Zoom Out

Sample Name: mp35087-lb1 Acquired: 9/13/2022 19:50:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5115.4**	**61418.**	**10650.**	**1766.2**
Stddev	3.9	288.	48.	4.5
%RSD	.07595	.46943	.45239	.25387
#1	5113.7	61168.	10704.	1761.2
#2	5112.6	61353.	10637.	1767.4
#3	5119.8	61734.	10610.	1770.0

Zoom In Zoom Out

Sample Name: mp35087-ls1 3 Acquired: 9/13/2022 19:56:01 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2345**	**24.70**	**1.905**	**1.903**	**1.885**	**1.914**	F **-.0200**	**25.68**
Stddev	.0012	.03	.004	.002	.003	.001	.0006	.05
%RSD	.4970	.1014	.2272	.0850	.1532	.0458	2.790	.1977
#1	.2347	24.69	1.905	1.904	1.884	1.914	-.0201	25.73
#2	.2356	24.68	1.910	1.902	1.888	1.915	-.0205	25.63
#3	.2333	24.72	1.901	1.901	1.882	1.914	-.0194	25.67

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.905**	**.1643**	**1.896**	**1.903**	**1.840**	**25.33**	**24.38**	**.0028**
Stddev	.004	.0012	.002	.004	.002	.02	.09	.0003
%RSD	.1866	.7516	.1006	.2124	.1071	.0957	.3529	11.32
#1	1.905	.1632	1.897	1.898	1.841	25.36	24.32	.0025
#2	1.909	.1640	1.894	1.904	1.841	25.32	24.48	.0031
#3	1.902	.1656	1.898	1.906	1.838	25.32	24.34	.0029

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.79**	**1.940**	**1.980**	**24.37**	**1.906**	**1.730**	**1.931**	**.6672**
Stddev	.06	.003	.006	.07	.002	.008	.006	.0060
%RSD	.2342	.1364	.3200	.2752	.1201	.4597	.2891	.9067
#1	24.85	1.941	1.980	24.34	1.909	1.721	1.927	.6708
#2	24.74	1.942	1.987	24.45	1.905	1.735	1.928	.6602
#3	24.79	1.937	1.974	24.32	1.904	1.735	1.937	.6706

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.944**	**1.870**	**.1693**	**1.987**	**1.883**	**1.953**	**1.953**	**1.918**
Stddev	.004	.002	.0009	.006	.004	.002	.002	.002
%RSD	.1830	.1016	.5539	.2836	.2281	.1063	.1025	.1017
#1	1.940	1.868	.1685	1.983	1.881	1.951	1.954	1.920
#2	1.946	1.872	.1703	1.993	1.888	1.954	1.950	1.919
#3	1.945	1.870	.1691	1.984	1.880	1.955	1.954	1.916

Zoom In Zoom Out

Sample Name: mp35087-ls1 3 Acquired: 9/13/2022 19:56:01 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.967**	**1.944**	**1.942**
Stddev	.003	.006	.002
%RSD	.1679	.3018	.0790
#1	1.964	1.945	1.944
#2	1.971	1.949	1.942
#3	1.967	1.938	1.941

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4782.7**	**59985.**	**10655.**	**1738.9**
Stddev	6.0	137.	21.	2.4
%RSD	.12577	.22788	.19335	.13769
#1	4779.2	60023.	10677.	1738.5
#2	4789.7	59834.	10651.	1736.7
#3	4779.2	60099.	10636.	1741.4

Zoom In Zoom Out

Sample Name: mp35087-s1 Acquired: 9/13/2022 20:00:50 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2352**	**25.99**	**1.901**	**2.913**	**1.926**	**1.906**	F **-.0200**	**32.66**
Stddev	.0007	.05	.005	.012	.005	.006	.0003	.07
%RSD	.2852	.1855	.2584	.4274	.2557	.3160	1.694	.2077
#1	.2359	26.04	1.895	2.908	1.928	1.912	-.0196	32.73
#2	.2350	25.94	1.904	2.927	1.920	1.900	-.0202	32.60
#3	.2346	25.99	1.904	2.903	1.929	1.907	-.0203	32.66

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.902**	**.1698**	**1.897**	**1.902**	**1.845**	**25.49**	**26.93**	**.0047**
Stddev	.006	.0033	.002	.003	.003	.08	.09	.0005
%RSD	.3119	1.918	.0867	.1733	.1865	.3135	.3397	10.08
#1	1.895	.1680	1.896	1.899	1.849	25.57	26.99	.0053
#2	1.906	.1736	1.898	1.904	1.842	25.41	26.83	.0044
#3	1.905	.1678	1.895	1.905	1.845	25.48	26.98	.0046

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.73**	**1.938**	**1.963**	**42.14**	**1.911**	**1.798**	**1.936**	**1.934**
Stddev	.08	.002	.004	.13	.001	.009	.007	.009
%RSD	.2986	.1010	.2250	.3134	.0712	.5165	.3706	.4929
#1	26.78	1.936	1.961	42.21	1.911	1.788	1.945	1.944
#2	26.78	1.940	1.968	41.99	1.913	1.798	1.932	1.932
#3	26.64	1.939	1.959	42.22	1.910	1.807	1.932	1.926

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.940**	**1.846**	**2.220**	**1.972**	**1.884**	**1.963**	**1.820**	**1.912**
Stddev	.007	.014	.007	.000	.007	.001	.037	.002
%RSD	.3471	.7556	.3015	.0228	.3572	.0293	2.031	.1104
#1	1.948	1.860	2.228	1.973	1.887	1.963	1.862	1.910
#2	1.935	1.845	2.217	1.972	1.876	1.963	1.805	1.914
#3	1.937	1.832	2.215	1.972	1.889	1.962	1.792	1.911

Zoom In Zoom Out

Sample Name: mp35087-s1 Acquired: 9/13/2022 20:00:50 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.970**	**1.969**	**1.946**
Stddev	.006	.007	.001
%RSD	.2831	.3333	.0347
#1	1.973	1.965	1.945
#2	1.972	1.976	1.947
#3	1.963	1.964	1.945

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4715.1**	**59591.**	**10656.**	**1727.8**
Stddev	2.8	31.	55.	4.2
%RSD	.05869	.05271	.51486	.24249
#1	4712.0	59616.	10593.	1732.1
#2	4716.7	59602.	10681.	1723.8
#3	4716.8	59556.	10693.	1727.5

Zoom In Zoom Out

Sample Name: mp35087-s2 Acquired: 9/13/2022 20:05:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2374**	**26.25**	**1.912**	**2.942**	**1.947**	**1.923**	F **-.0209**	**33.10**
Stddev	.0004	.04	.023	.025	.003	.004	.0008	.06
%RSD	.1742	.1562	1.192	.8440	.1356	.2166	3.884	.1946
#1	.2375	26.29	1.935	2.962	1.949	1.927	-.0219	33.17
#2	.2369	26.21	1.889	2.914	1.944	1.919	-.0204	33.04
#3	.2378	26.25	1.913	2.950	1.948	1.922	-.0205	33.10

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.916**	**.1694**	**1.905**	**1.911**	**1.852**	**25.67**	**27.26**	**.0025**
Stddev	.016	.0041	.003	.007	.002	.08	.04	.0002
%RSD	.8209	2.418	.1719	.3649	.0792	.2976	.1463	9.452
#1	1.928	.1729	1.907	1.919	1.851	25.76	27.29	.0028
#2	1.898	.1649	1.906	1.909	1.851	25.62	27.28	.0024
#3	1.922	.1705	1.901	1.905	1.854	25.63	27.22	.0024

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.06**	**1.948**	**1.973**	**43.02**	**1.921**	**1.882**	**1.945**	**1.996**
Stddev	.13	.004	.016	.14	.005	.009	.013	.006
%RSD	.4969	.2100	.8028	.3143	.2733	.5071	.6620	.3186
#1	27.04	1.952	1.986	43.18	1.926	1.887	1.937	2.000
#2	27.21	1.946	1.955	42.96	1.920	1.871	1.960	1.988
#3	26.94	1.945	1.977	42.93	1.916	1.889	1.939	1.999

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.950**	**1.842**	**2.300**	**1.984**	**1.905**	**1.977**	**1.779**	**1.918**
Stddev	.005	.005	.006	.004	.004	.003	.013	.001
%RSD	.2416	.2919	.2667	.1795	.2235	.1521	.7244	.0640
#1	1.954	1.849	2.304	1.987	1.910	1.981	1.782	1.917
#2	1.945	1.838	2.293	1.984	1.904	1.976	1.790	1.918
#3	1.949	1.840	2.303	1.980	1.901	1.975	1.765	1.919

Zoom In Zoom Out

Sample Name: mp35087-s2 Acquired: 9/13/2022 20:05:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.983**	**1.978**	**1.962**
Stddev	.005	.012	.002
%RSD	.2643	.6119	.0964
#1	1.988	1.990	1.963
#2	1.978	1.966	1.960
#3	1.981	1.978	1.962

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4717.0**	**59671.**	**10619.**	**1726.9**
Stddev	7.2	75.	55.	12.9
%RSD	.15277	.12635	.51727	.74553
#1	4708.8	59622.	10586.	1715.5
#2	4720.1	59633.	10588.	1740.8
#3	4722.2	59758.	10682.	1724.3

Zoom In Zoom Out

Sample Name: jd49050-1u Acquired: 9/13/2022 20:10:22 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**1.477**	**.0035**	**1.077**	**.0541**	**.0001**	**-.0019**	**8.171**	**.0002**
Stddev	.0005	.008	.0002	.003	.0001	.0000	.0021	.028	.0001
%RSD	253.3	.5174	5.435	.2378	.2467	37.25	111.1	.3364	38.26
#1	-.0002	1.468	.0034	1.074	.0543	.0001	-.0001	8.191	.0001
#2	.0003	1.481	.0034	1.078	.0541	.0001	-.0013	8.140	.0002
#3	-.0007	1.482	.0037	1.079	.0541	.0000	-.0042	8.183	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0063**	**.0006**	**.0036**	**.0137**	**.2927**	**2.838**	**.0024**	**2.220**	**.0103**
Stddev	.0034	.0002	.0003	.0003	.0016	.019	.0006	.031	.0001
%RSD	53.64	36.50	9.076	2.048	.5387	.6716	27.13	1.386	.6373
#1	.0065	.0008	.0036	.0140	.2916	2.823	.0030	2.243	.0104
#2	.0095	.0004	.0032	.0138	.2921	2.833	.0017	2.185	.0103
#3	.0028	.0006	.0039	.0134	.2945	2.860	.0024	2.232	.0103

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**18.57**	**.0043**	**.0524**	**.0042**	**2.121**	**.0001**	**-.0004**	**2.147**
Stddev	.0002	.00	.0002	.0036	.0014	.004	.0007	.0004	.003
%RSD	23.06	.0037	4.771	6.924	34.11	.1718	625.9	97.55	.1167
#1	.0012	18.57	.0042	.0501	.0059	2.126	.0004	-.0008	2.147
#2	.0010	18.56	.0045	.0505	.0038	2.119	.0006	-.0001	2.144
#3	.0007	18.57	.0042	.0566	.0031	2.119	-.0006	-.0003	2.149

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**.0164**	**.0036**	**.0012**	**.0034**	**.0044**	**.0494**	**.0007**
Stddev	.0010	.0001	.0004	.0013	.0004	.0002	.0003	.0002
%RSD	56.49	.4967	11.94	100.8	10.97	4.839	.5264	27.97
#1	-.0010	.0165	.0037	.0022	.0031	.0046	.0491	.0005
#2	-.0014	.0163	.0039	-.0002	.0033	.0043	.0496	.0007
#3	-.0028	.0164	.0031	.0017	.0038	.0042	.0496	.0008

Zoom In Zoom Out

Sample Name: jd49050-1u Acquired: 9/13/2022 20:10:22 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4978.9**	**60942.**	**10612.**	**1756.3**
Stddev	5.8	56.	58.	4.5
%RSD	.11669	.09263	.55108	.25865
#1	4985.4	60928.	10640.	1753.7
#2	4976.8	60894.	10652.	1753.6
#3	4974.4	61005.	10545.	1761.6

Zoom In Zoom Out

Sample Name: mp35087-sd1 Acquired: 9/13/2022 20:15:28 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**1.443**	**.0100**	**1.098**	**.0548**	**.0001**	**.0015**	**8.279**	**.0004**
Stddev	.0012	.036	.0058	.005	.0005	.0002	.0027	.026	.0006
%RSD	60.83	2.469	58.31	.4220	.9677	142.4	184.4	.3153	156.8
#1	-.0033	1.467	.0090	1.103	.0549	.0003	.0030	8.277	.0011
#2	-.0017	1.460	.0047	1.097	.0553	-.0000	-.0017	8.306	-.0002
#3	-.0010	1.402	.0163	1.094	.0542	.0001	.0030	8.254	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0065**	**.0002**	**.0031**	**.0127**	**.3136**	**2.911**	**.0065**	**2.310**	**.0107**
Stddev	.0079	.0027	.0006	.0020	.0093	.033	.0037	.001	.0002
%RSD	121.9	1602.	19.66	15.36	2.977	1.144	56.54	.0460	1.720
#1	-.0156	.0007	.0036	.0107	.3203	2.924	.0065	2.311	.0105
#2	-.0013	.0026	.0024	.0146	.3177	2.874	.0102	2.309	.0109
#3	-.0026	-.0028	.0034	.0128	.3030	2.936	.0028	2.309	.0106

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**18.97**	**.0035**	**.0805**	**.0043**	**2.106**	**.0064**	**-.0106**	**2.147**
Stddev	.0008	.09	.0018	.0102	.0043	.014	.0052	.0215	.005
%RSD	242.5	.4667	51.22	12.63	100.0	.6445	82.24	202.6	.2499
#1	-.0010	19.00	.0019	.0696	.0091	2.117	.0038	-.0066	2.148
#2	.0005	19.05	.0054	.0823	.0032	2.091	.0124	-.0339	2.141
#3	-.0005	18.88	.0031	.0897	.0006	2.109	.0029	.0086	2.151

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0084**	**.0167**	**.0019**	**-.0057**	**.0036**	**.0093**	**.0566**	**.0001**
Stddev	.0034	.0004	.0004	.0029	.0003	.0055	.0003	.0007
%RSD	40.86	2.655	19.54	50.60	7.223	59.21	.4878	911.6
#1	-.0064	.0172	.0016	-.0055	.0034	.0153	.0563	-.0007
#2	-.0064	.0164	.0023	-.0086	.0035	.0081	.0568	.0006
#3	-.0123	.0164	.0017	-.0029	.0039	.0045	.0566	.0003

Zoom In Zoom Out

Sample Name: mp35087-sd1 Acquired: 9/13/2022 20:15:28 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5082.1	61303.	10579.	1769.6
Stddev	1.7	134.	56.	2.4
%RSD	.03293	.21847	.52633	.13734
#1	5083.4	61169.	10570.	1767.4
#2	5080.2	61303.	10528.	1772.2
#3	5082.7	61437.	10638.	1769.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 20:20:39 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2428	38.53	1.941	1.965	1.925	1.949	1.934	39.24	1.947
Stddev	.0007	.07	.006	.004	.005	.006	.001	.04	.003
%RSD	.2977	.1696	.3222	.1756	.2776	.3281	.0287	.0943	.1587
#1	.2429	38.59	1.946	1.969	1.931	1.957	1.934	39.26	1.951
#2	.2420	38.46	1.943	1.963	1.921	1.946	1.934	39.26	1.946
#3	.2434	38.55	1.934	1.964	1.923	1.945	1.935	39.19	1.945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.983	1.954	1.955	1.868	39.36	38.08	1.929	38.88	1.985
Stddev	.007	.001	.001	.003	.13	.16	.002	.10	.002
%RSD	.3434	.0733	.0504	.1755	.3201	.4151	.1029	.2564	.1134
#1	1.986	1.955	1.956	1.870	39.51	38.26	1.930	39.00	1.987
#2	1.976	1.952	1.955	1.865	39.30	38.01	1.927	38.83	1.982
#3	1.988	1.955	1.954	1.870	39.27	37.97	1.931	38.82	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.994	38.06	1.966	F 1.766	1.994	1.893	1.966	1.937	5.107
Stddev	.003	.17	.002	.004	.001	.012	.003	.002	.006
%RSD	.1560	.4456	.0990	.2285	.0554	.6183	.1550	.0972	.1190
#1	1.997	38.25	1.964	1.769	1.995	1.906	1.966	1.937	5.112
#2	1.994	37.92	1.966	1.767	1.993	1.884	1.963	1.935	5.108
#3	1.991	38.00	1.968	1.761	1.995	1.888	1.969	1.939	5.100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				-10.00%					

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 20:20:39 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.001	1.922	1.983	1.998	1.958	2.001	1.998	1.972
Stddev	.002	.007	.000	.013	.004	.005	.003	.003
%RSD	.0808	.3868	.0147	.6588	.1914	.2276	.1269	.1256
#1	2.003	1.931	1.983	2.011	1.962	2.004	2.000	1.974
#2	2.001	1.917	1.982	1.984	1.954	2.004	1.995	1.970
#3	1.999	1.919	1.983	2.000	1.958	1.996	1.997	1.971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4665.2	59089.	10476.	1729.9
Stddev	7.1	146.	37.	2.6
%RSD	.15290	.24623	.35348	.14961
#1	4661.1	58951.	10434.	1727.0
#2	4673.5	59241.	10504.	1732.1
#3	4661.2	59076.	10489.	1730.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 20:25:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0096	-.0019	.0053	-.0000	.0001	-.0006	-.0026
Stddev	.0002	.0083	.0004	.0007	.0001	.0001	.0002	.0010
%RSD	52.88	86.93	21.95	13.38	234.4	105.7	29.14	39.52
#1	-.0002	-.0140	-.0018	.0058	-.0001	.0000	-.0008	-.0030
#2	-.0006	-.0148	-.0015	.0045	.0001	.0000	-.0007	-.0034
#3	-.0005	.0000	-.0023	.0055	-.0001	.0001	-.0004	-.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	.0001	.0002	-.0004	.0055	.0359	.0022
Stddev	.0002	.0030	.0003	.0005	.0002	.0009	.0332	.0005
%RSD	874.7	2295.	255.5	250.8	39.81	16.03	92.53	21.19
#1	.0003	-.0035	.0002	-.0001	-.0002	.0046	.0617	.0022
#2	-.0002	.0021	.0003	.0007	-.0005	.0056	-.0016	.0026
#3	-.0000	.0010	-.0002	-.0000	-.0005	.0063	.0476	.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	.0001	.0005	.0958	.0003	.0080	.0000	-.0082
Stddev	.0217	.0001	.0003	.0038	.0004	.0016	.0021	.0065
%RSD	196.9	114.4	73.11	3.957	152.1	19.81	7832.	79.55
#1	.0253	.0001	.0008	.0972	.0005	.0098	.0008	-.0143
#2	.0217	.0002	.0002	.0916	.0004	.0068	.0016	-.0088
#3	-.0139	-.0000	.0004	.0988	-.0002	.0073	-.0024	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In
Zoom Out

Sample Name: ccb Acquired: 9/13/2022 20:25:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0007**	**-.0001**	**-.0003**	**.0001**	**-.0001**	F **-.0021**	**.0002**
Stddev	.0009	.0010	.0015	.0007	.0000	.0004	.0002	.0003
%RSD	658.7	140.3	2424.	213.1	47.31	311.4	10.70	171.1
#1	-.0006	-.0018	-.0015	-.0009	.0000	.0003	-.0019	.0001
#2	-.0007	-.0002	.0015	-.0006	.0001	-.0002	-.0023	.0005
#3	.0009	-.0000	-.0002	.0005	.0001	-.0005	-.0022	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0019	
Low Limit							-.0019	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0012**	**.0000**	**.0001**
Stddev	.0004	.0001	.0001
%RSD	36.46	286.8	150.6
#1	.0016	.0002	.0002
#2	.0013	-.0000	.0001
#3	.0007	-.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5113.3**	**61421.**	**10582.**	**1778.1**
Stddev	6.6	228.	62.	1.2
%RSD	.12990	.37050	.58489	.07014
#1	5120.0	61658.	10652.	1779.1
#2	5113.0	61204.	10561.	1778.5
#3	5106.8	61401.	10534.	1776.7

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ag 328.068 {103}	☒	17	Mn	0.000140	0.000000	No
				Mo	-0.000064	0.000000	No
				Ti	-0.000039	0.000000	No
				Fe	-0.000076	0.000000	No
				V	-0.000911	0.000000	No
				Zn	-0.000100	0.000000	No
				Ca	-0.000005	0.000000	No
				Al	-0.000003	0.000000	No
				Mg	0.000002	0.000000	No
				Ba	-0.000089	0.000000	No
				Cr	-0.000038	0.000000	No
				Zr	0.006000	0.000000	No
				Sn	-0.000100	0.000000	No
				W	0.000000	0.000000	No
				K	-0.000080	0.000000	No
				Ce	-0.002021	0.000000	No
				Ni	0.000000	0.000000	No
	Al 396.152 { 85}	☒	6	Si	0.000913	0.000000	No
				Ca	0.000078	0.000000	No
				Mo	0.043334	0.000000	No
				Zr	-0.006000	0.000000	No
				Ti	-0.000017	0.000000	No
				Ce	-0.018255	0.000000	No
	As 189.042 {478}	☒	24	Al	0.000000	0.000000	No
				Fe	-0.000095	0.000000	No
				Ca	0.000001	0.000000	No
				Mn	-0.000110	0.000000	No
				Mo	0.002835	0.000000	No
				Cr	-0.000059	0.000000	No
				V	0.000065	0.000000	No
				Co	-0.000252	0.000000	No
				W	0.000000	0.000000	No
				Sn	-0.000023	0.000000	No
				Cd	-0.000194	0.000000	No
				Tl	0.000052	0.000000	No
				Be	-0.000017	0.000000	No
				Mg	-0.000003	0.000000	No
				Si	-0.000013	0.000000	No
				Zn	-0.000130	0.000000	No
				Sr	-0.000080	0.000000	No
				Zr	-0.000400	0.000000	No
				Ti	-0.000031	0.000000	No
				Cu	0.000077	0.000000	No
				K	0.000000	0.000000	No
				B	-0.000230	0.000000	No
				S	-0.000020	0.000000	No
				Ce	-0.000600	0.000000	No
	B 208.959 {462}	☒	1	Mo	0.030533	0.000000	No
	Ba 455.403 { 74}	☒	3	Mg	0.000021	0.000000	No
				Al	0.000002	0.000000	No
				Zr	0.000007	0.000000	No
	Be 313.042 {108}	☒	10	V	-0.003196	0.000000	No
				Mo	-0.000030	0.000000	No
				Ti	-0.001513	0.000000	No
				Mn	-0.000018	0.000000	No
				Ni	0.000001	0.000000	No
				Ca	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	0.000001	0.000000	No
			W	0.000000	0.000000	No
Bi 223.061 {451}	☒	9	V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	-0.000005	0.000000	No
			Mg	-0.000002	0.000000	No
			W	0.020000	0.000000	No
			Cu	-0.001186	0.000000	No
			Fe	0.000072	0.000000	No
			Cr	0.001500	0.000000	No
			Ti	-0.024787	0.000000	No
Ca 317.933 {106}	☒	13	Fe	0.000130	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
Cd 228.802 {448}	☒	13	As	0.002365	0.000000	No
			Ni	-0.000500	0.000000	No
			Fe	-0.000009	0.000000	No
			V	0.000110	0.000000	No
			Ba	0.000054	0.000000	No
			Co	-0.002660	0.000000	No
			Ca	0.000000	0.000000	No
			Mn	-0.000186	0.000000	No
			Cr	-0.000093	0.000000	No
			Cu	0.000024	0.000000	No
			Al	0.000000	0.000000	No
			Mo	-0.000096	0.000000	No
			W	0.000000	0.000000	No
Ce 404.076 { 83}	☒	9	V	-0.000600	0.000000	No
			Mn	-0.060000	0.000000	No
			Zr	-0.026700	0.000000	No
			Ca	-0.000120	0.000000	No
			Ti	-0.001800	0.000000	No
			Cr	-0.003800	0.000000	No
			As	-0.010200	0.000000	No
			Mo	-0.002500	0.000000	No
			Fe	-0.000210	0.000000	No
Co 228.616 {448}	☒	9	Fe	-0.000002	0.000000	No
			Cr	0.000100	0.000000	No
			Mo	-0.001780	0.000000	No
			Ni	0.000084	0.000000	No
			Ti	0.002198	0.000000	No
			W	0.000160	0.000000	No
			Cd	-0.000188	0.000000	No
			Ca	0.000000	0.000000	No
			As	0.000150	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Cr 267.716 {126}	☒	11	Mn	0.000318	0.000000	No
				Mo	-0.000342	0.000000	No
				Fe	-0.000007	0.000000	No
				Cd	-0.000050	0.000000	No
				Al	0.000004	0.000000	No
				Ca	0.000002	0.000000	No
				Mg	0.000001	0.000000	No
				Ti	-0.000053	0.000000	No
				Ba	0.000013	0.000000	No
				Cu	0.000100	0.000000	No
				Sr	-0.000100	0.000000	No
	Cu 324.754 {104}2	☒	17	Cr	0.000000	0.000000	No
				V	-0.000208	0.000000	No
				Mo	0.000632	0.000000	No
				Ti	0.000024	0.000000	No
				Fe	-0.000128	0.000000	No
				Al	0.000003	0.000000	No
				Sn	0.000103	0.000000	No
				Co	-0.001135	0.000000	No
				Zr	0.000100	0.000000	No
				Si	-0.000002	0.000000	No
				Mn	0.000026	0.000000	No
				Se	0.000050	0.000000	No
				Ag	0.000166	0.000000	No
				Sb	0.000024	0.000000	No
				Pb	-0.000260	0.000000	No
				Be	-0.000031	0.000000	No
				W	0.010000	0.000000	No
	Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
				Si	-0.000100	0.000000	No
				Tl	-0.002590	0.000000	No
				Se	-0.000050	0.000000	No
				Cr	0.001134	0.000000	No
				Mn	-0.001433	0.000000	No
				V	-0.000064	0.000000	No
				Cu	0.000953	0.000000	No
				K	-0.000200	0.000000	No
				Zn	0.000046	0.000000	No
				Ti	-0.000631	0.000000	No
				Ca	0.000013	0.000000	No
				Ba	0.001000	0.000000	No
				Al	0.000042	0.000000	No
	K 766.490 { 44}	☒	11	Fe	-0.000455	0.000000	No
				Al	-0.000083	0.000000	No
				Ca	-0.000079	0.000000	No
				Mn	0.001430	0.000000	No
				Si	-0.003000	0.000000	No
				V	-0.002000	0.000000	No
				Sn	-0.004700	0.000000	No
				Na	0.000300	0.000000	No
				Mo	-0.000850	0.000000	No
				Cu	-0.010000	0.000000	No
				Mg	-0.000066	0.000000	No
	Li 670.784 { 50}	☒	1	Ca	0.000018	0.000000	No
	Mg 279.079 {121}	☒	2	Mo	-0.006280	0.000000	No
				Fe	-0.000095	0.000000	No
	Mn 257.610 {131}	☒	7	Fe	-0.000013	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000044	0.000000	No
			Ba	0.000012	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	0.000000	0.000000	No
			Cr	-0.000114	0.000000	No
			Mg	0.000004	0.000000	No
Mo 202.030 {467}	☒	5	Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			W	0.000000	0.000000	No
			V	-0.000230	0.000000	No
Na 589.592 { 57}	☒	5	K	0.000038	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000120	0.000000	No
			V	-0.005000	0.000000	No
Ni 231.604 {446}	☒	11	Fe	0.000022	0.000000	No
			Zn	-0.000021	0.000000	No
			Be	-0.000112	0.000000	No
			Co	-0.000160	0.000000	No
			Tl	0.000209	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000100	0.000000	No
			Cr	-0.000014	0.000000	No
			Si	-0.000003	0.000000	No
			Sn	0.000079	0.000000	No
			W	0.000083	0.000000	No
P 177.495 {490}	☒	4	Mn	-0.001900	0.000000	No
			Ca	-0.000024	0.000000	No
			Fe	0.000000	0.000000	No
			Cu	-0.071000	0.000000	No
Pb 220.353 {453}	☒	23	Al	-0.000086	0.000000	No
			Fe	0.000039	0.000000	No
			Ca	-0.000012	0.000000	No
			Mn	0.000145	0.000000	No
			Zn	0.000064	0.000000	No
			Mo	-0.002073	0.000000	No
			Cu	0.000110	0.000000	No
			V	-0.000007	0.000000	No
			Co	0.000071	0.000000	No
			Ti	-0.000500	0.000000	No
			Si	0.000016	0.000000	No
			Ba	-0.000012	0.000000	No
			Sb	0.000006	0.000000	No
			Sr	-0.000100	0.000000	No
			W	-0.004000	0.000000	No
			Mg	0.000004	0.000000	No
			Cd	0.000076	0.000000	No
			Zr	-0.000300	0.000000	No
			Ni	0.000202	0.000000	No
			S	0.000005	0.000000	No
			Se	0.000036	0.000000	No
			As	0.000176	0.000000	No
			Cr	0.000034	0.000000	No
S 182.034 {485}	☒	6	Ca	-0.000132	0.000000	No
			Al	-0.000396	0.000000	No
			Fe	-0.000141	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.000000	0.000000	No
			Mn	0.003000	0.000000	No
			Mo	-0.017500	0.000000	No
Sb 206.833 {463}	☒	16	Fe	0.000005	0.000000	No
			Al	-0.000003	0.000000	No
			Ca	-0.000009	0.000000	No
			Ni	-0.000679	0.000000	No
			Cr	0.018000	0.000000	No
			V	-0.001400	0.000000	No
			Zn	-0.000400	0.000000	No
			Mo	-0.000266	0.000000	No
			Ti	0.000800	0.000000	No
			Sn	-0.020027	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000627	0.000000	No
			Sr	0.000209	0.000000	No
			W	0.000000	0.000000	No
			Si	0.000000	0.000000	No
			Ce	-0.002300	0.000000	No
Se 196.090 {472}	☒	24	Al	0.000010	0.000000	No
			Ca	0.000006	0.000000	No
			Mn	0.000470	0.000000	No
			Mo	0.000420	0.000000	No
			Fe	-0.000155	0.000000	No
			Co	-0.000200	0.000000	No
			V	-0.000289	0.000000	No
			Sr	-0.000008	0.000000	No
			Cu	-0.000113	0.000000	No
			W	-0.010000	0.000000	No
			Si	0.000037	0.000000	No
			Tl	0.000180	0.000000	No
			Be	-0.000143	0.000000	No
			Zn	-0.000250	0.000000	No
			B	-0.000141	0.000000	No
			Ti	0.000016	0.000000	No
			Cd	0.000090	0.000000	No
			Zr	-0.000280	0.000000	No
			Ba	-0.000220	0.000000	No
			Mg	-0.000002	0.000000	No
			Cr	0.000161	0.000000	No
			S	-0.000011	0.000000	No
			Ce	-0.005564	0.000000	No
			As	0.000400	0.000000	No
Si 212.412 {459}	☒	14	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.025500	0.000000	No
			Ti	0.001740	0.000000	No
			Al	0.000012	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000015	0.000000	No
			Sn	0.002213	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.000560	0.000000	No
			Pb	0.000471	0.000000	No
			V	0.001002	0.000000	No
			W	-0.025000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Sn 189.989 {478}	☒	6	Ti	-0.001411	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000005	0.000000	No
			Mn	0.000060	0.000000	No
			Si	0.000089	0.000000	No
			W	-0.010000	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	0.000002	0.000000	No
			Ca	0.000012	0.000000	No
Ti 334.904 {101}	☒	4	Cr	-0.000084	0.000000	No
			Mo	0.001149	0.000000	No
			Si	0.000035	0.000000	No
			Ca	-0.000003	0.000000	No
Tl 190.856 {477}	☒	24	Cr	0.000200	0.000000	No
			Mo	-0.001180	0.000000	No
			Al	0.000026	0.000000	No
			Fe	-0.000136	0.000000	No
			V	-0.024048	0.000000	No
			Mn	0.000470	0.000000	No
			Si	-0.000210	0.000000	No
			Ca	-0.000008	0.000000	No
			Ti	-0.002910	0.000000	No
			Mg	0.000012	0.000000	No
			Co	0.005660	0.000000	No
			Sr	-0.000250	0.000000	No
			B	-0.000030	0.000000	No
			Ba	0.000110	0.000000	No
			Zn	0.000025	0.000000	No
			As	0.000030	0.000000	No
			Ni	-0.000049	0.000000	No
			Cu	-0.000032	0.000000	No
			W	-0.005000	0.000000	No
			Sn	-0.000080	0.000000	No
			Se	-0.000040	0.000000	No
			S	-0.000020	0.000000	No
			K	0.000000	0.000000	No
			P	0.000333	0.000000	No
V 292.402 {115}	☒	7	Ti	0.000660	0.000000	No
			Mo	-0.014200	0.000000	No
			Fe	0.000019	0.000000	No
			Sr	0.000000	0.000000	No
			Cr	-0.002800	0.000000	No
			Mn	-0.001490	0.000000	No
			W	0.000050	0.000000	No
W 207.911 {462}	☒	24	Al	0.000002	0.000000	No
			Si	-0.000900	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.000200	0.000000	No
			Mg	0.000000	0.000000	No
			Mn	-0.000110	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.012200	0.000000	No
			Sn	0.000078	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Zr	-0.000000	0.000000	No
				B	-0.001000	0.000000	No
				Sb	-0.003000	0.000000	No
				Co	0.000041	0.000000	No
				Ni	-0.000263	0.000000	No
				Be	-0.000130	0.000000	No
				Se	-0.000080	0.000000	No
				Cu	-0.000118	0.000000	No
				Ba	-0.000090	0.000000	No
				Tl	-0.000110	0.000000	No
	Zn 206.200 {464}	☒	17	Cr	-0.000774	0.000000	No
				Mo	-0.000328	0.000000	No
				Fe	0.000003	0.000000	No
				Al	0.000002	0.000000	No
				Si	0.000006	0.000000	No
				Ba	-0.000060	0.000000	No
				Ca	0.000002	0.000000	No
				Sr	0.000017	0.000000	No
				Sn	0.000069	0.000000	No
				Cu	0.000056	0.000000	No
				As	-0.000050	0.000000	No
				Be	0.000071	0.000000	No
				Bi	-0.000400	0.000000	No
				W	0.010000	0.000000	No
				Ti	-0.000100	0.000000	No
				Mg	0.000006	0.000000	No
				Mn	-0.000110	0.000000	No
	Zr 339.198 { 99}	☒	9	Mo	0.000523	0.000000	No
				Ti	0.000190	0.000000	No
				Fe	-0.000010	0.000000	No
				Si	0.000070	0.000000	No
				Bi	0.000295	0.000000	No
				Cr	-0.000200	0.000000	No
				V	0.000200	0.000000	No
				Sn	-0.000400	0.000000	No
				W	0.020000	0.000000	No
	In 230.606 {446}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Y 224.306 {451}*	☒	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000242	0.118735	0.000000	1.000000
Al 396.152 { 85}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.001290	0.036696	0.000000	1.000000
As 189.042 {478}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000670	0.118855	0.000000	1.000000
B 208.959 {462}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000386	0.211404	0.000000	1.000000
Ba 455.403 { 74}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.006160	2.193654	0.000000	1.000000
Be 313.042 {108}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000026	1.689376	0.000000	1.000000
Bi 223.061 {451}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000811	0.272376	0.000000	1.000000
Ca 317.933 {106}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.003932	0.048718	0.000000	1.000000
Cd 228.802 {448}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000375	1.058809	0.000000	1.000000
Ce 404.076 { 83}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000282	0.038438	0.000000	1.000000
Co 228.616 {448}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000450	0.436733	0.000000	1.000000
Cr 267.716 {126}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000029	0.083662	0.000000	1.000000
Cu 324.754 {104}2	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.004346	0.224298	0.000000	1.000000
Fe 259.940 {130}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000030	0.042134	0.000000	1.000000
K 766.490 { 44}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.002017	0.037674	0.000000	1.000000
Li 670.784 { 50}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.003426	0.870287	0.000000	1.000000
Mg 279.079 {121}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000097	0.005095	0.000000	1.000000
Mn 257.610 {131}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000055	0.638699	0.000000	1.000000
Mo 202.030 {467}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000052	0.794073	0.000000	1.000000
Na 589.592 { 57}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.004228	0.115112	0.000000	1.000000
Ni 231.604 {446}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000253	0.324837	0.000000	1.000000
P 177.495 {490}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.002345	0.062925	0.000000	1.000000
Pb 220.353 {453}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000230	0.135480	0.000000	1.000000
S 182.034 {485}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000054	0.038205	0.000000	1.000000
Sb 206.833 {463}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000472	0.181730	0.000000	1.000000
Se 196.090 {472}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000563	0.087746	0.000000	1.000000
Si 212.412 {459}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.003689	0.234509	0.000000	1.000000
Sn 189.989 {478}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000322	0.172909	0.000000	1.000000
Sr 407.771 { 83}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000261	3.545821	0.000000	1.000000
Ti 334.904 {101}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000049	0.121837	0.000000	1.000000
Tl 190.856 {477}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000014	0.035912	0.000000	1.000000
V 292.402 {115}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000052	0.138555	0.000000	1.000000
W 207.911 {462}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000911	0.416332	0.000000	1.000000
Zn 206.200 {464}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.001134	0.891907	0.000000	1.000000
Zr 339.198 { 99}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000120	0.321809	0.000000	1.000000
In 230.606 {446}*	9/14/2022 7:01:56	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	9/14/2022 7:01:56	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	9/14/2022 7:01:56	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	9/14/2022 7:01:56	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ag 328.068 {103}	1.000000	0.000000	0.000557	0.001858	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.010279	0.034265	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001931	0.006435	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.001184	0.003947	OK.	1.000000	0.000000	1	0
	Ba 455.403 { 74}	1.000000	0.000000	0.000200	0.000666	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000095	0.000317	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001934	0.006445	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003794	0.012645	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000313	0.001043	OK.	1.000000	0.000000	1	0
	Ce 404.076 { 83}	1.000000	0.000000	0.003226	0.010752	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000426	0.001421	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000531	0.001770	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000460	0.001533	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002599	0.008665	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.027890	0.092965	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001137	0.003789	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.025722	0.085739	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000069	0.000230	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000403	0.001345	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.008010	0.026699	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000497	0.001658	OK.	1.000000	0.000000	1	0
	P 177.495 {490}	1.000000	0.000000	0.003370	0.011232	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001678	0.005593	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.006602	0.022008	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.002060	0.006866	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.003314	0.011047	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001577	0.005256	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.001283	0.004278	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000088	0.000294	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000503	0.001676	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.002391	0.007971	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000425	0.001418	OK.	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.001575	0.005249	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000311	0.001036	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000254	0.000846	OK.	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0

SGS

Mercury Hot Block Digestion Log

Methods (Circle as appropriate)
EPA 245.1 **SW846 7470A**
Required corrected Temp. Range is 90-95 C.

Product **HG / HGTCLP**
Matrix: Aq / Liq / DW

MA Batch #: MA52966
Analyst: LM
Date: 9/9/2022
Balance ID: N/A
Reagents: See attached sheet
Auto pipet ID: M-82

Hot Block # HG-8 Start Time: 13:45 End Time: 15:45 Tube # 1-23.
Start Temp: 93 Corrected Start Temp: 93 Correction: 0 Thermometer ID: 698872 .
End Temp: 94 Corrected Start Temp: 94 Correction: 0 Thermometer ID: 698872 .
Hot Block #_____ Start Time:_____ End Time:_____ Tube #_____.
Start Temp:_____ Corrected Start Temp:_____ Correction:_____ Thermometer ID:_____.
End Temp:_____ Corrected Start Temp:_____ Correction:_____ Thermometer ID:_____.

Bot #	Sample ID	pH <2 Y/N	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used Amount Spiked	Spiked Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments/Lot # and Vendor
1	MP35065-MB1	N	30	30				MP35065	
2	MP35065-B1	N	30	30	2.0ml	Y	0.03		HG-22-163-185-HGA3, IN. V.
3	MP35065-S1	Y	30	30	2.0ml	Y	0.03		JD51170-1, HG-22-163-185-HGA3, IN. V.
4	MP35065-S2	Y	30	30	2.0ml	Y	0.03		JD51170-1, HG-22-163-185-HGA3, IN. V.
5	JD51170-1	Y	30	30					
6	JD51170-2	Y	30	30					
7	JD51170-5	Y	30	30					
8	JD51153-1	Y	30	30					
9	JD51153-5	Y	30	30					
10	JD51158-1	Y	30	30					
11	JD51204-6	Y	30	30					
12	JD51204-7	Y	30	30					
13	JD51204-8	Y	30	30					
14	JD51256-10	Y	30	30					
15	JD51256-11	Y	30	30					
16	JD51277-2	Y	30	30					
17	JD51218-1	Y	30	30					
18	JD51218-2	Y	30	30					
19	JD51218-3	Y	30	30					
20	JD51248-2	Y	30	30					
21	JD51248-3	Y	30	30					
22	JD51248-12	Y	30	30					
23	JD51248-13	Y	30	30					
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

ANALYST: LM DATE: 9/12/22
Spike witness:_____ DATE:_____
QC: REVIEWER:_____ DATE:_____

DAYT-MET-0113-01-FORM-HGWATERPREP
Revision Date: 8/28/18

7.3.1

SGS

Mercury Hot Block Digestion Log

Product **HG / EHG / HGTCLP**
Matrix: Aq / Liq / DW

MA Batch #: MA52966
Analyst: LM
Date: 9/9/2022
Balance ID: B-24
Reagents: See attached sheet
Auto pipet ID M-82

Methods (Circle as appropriate)
EPA 245.1 **SW846 7470A**

Required corrected Temp. Range is 90-95 C.
Hot Block # HG-8 Start Time: 13:45 End Time: 15:45 Tube # S1-CRI.

Start Temp: 93 Corrected Start Temp: 93 Correction: 0 Thermometer ID: 698872 .
End Temp: 94 Corrected Start Temp: 94 Correction: 0 Thermometer ID: 698872 .

Bot #	Sample ID	pH <2 Y/N	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments/Lot # and Vendor
S-1	Calibration Blank	N	30 ml	30 ml	0.0 ml	N			
S-2	0.2 ug/l Standard	N	30 ml	30 ml	2.0 ml	Y	0.003		HG-22-163-186-HGA4, IN. V.
S-3	0.5 ug/l Standard	N	30 ml	30 ml	5.0 ml	Y	0.003		HG-22-163-186-HGA4, IN. V.
S-4	1.0 ug/l Standard	N	30 ml	30 ml	1.0 ml	Y	0.030		HG-22-163-185-HGA3, IN. V.
S-5	2.5 ug/l Standard	N	30 ml	30 ml	2.5 ml	Y	0.030		HG-22-163-185-HGA3, IN. V.
S-6	5.0 ug/l Standard	N	30 ml	30 ml	5.0 ml	Y	0.030		HG-22-163-185-HGA3, IN. V.
ICV	ICV_MA52966 (Externa	N	30 ml	30 ml	3.0 ml	Y	0.03		HG-22-163-187-HGB3, AGILENT
ICB	ICB	N	30 ml	30 ml	0.0 ml	N			
CCV	CCV_MA52966	N	30 ml	30 ml	2.5 ml	Y	0.03		HG-22-163-185-HGA3, IN. V.
CCB	CCB	N	30 ml	30 ml	0.0 ml	N			
CRI	CRI	N	30 ml	30 ml	2.0 ml	Y	0.003		HG-22-163-186-HGA4, IN. V.

ANALYST: LM
QC: REVIEWER:

DATE: 9/12/22
DATE:

Form HG022-03
Revision Date: 8/24/15

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Reagent Information Log- Hg Waters

MA # 52966

Reagents	Exp. Date	Reagent # or
Conc. Sulfuric Acid	9/6/2024	Fisher 220502
Conc. Nitric Acid	4/27/2024	VWR 2022042860
Sodium Chloride-Hydroxylamine Hydrochloride	1/26/2023	HG-22-163 92 -HGHCL
Potassium Permanganate 5%	1/26/2023	HG-22-163 90 -HGKM1
Potassium Persulfate	1/26/2023	HG-22-163 91 -HGKS
Stannous Chloride	9/13/2022	HG-22-163 192 -HGS
STD Hg standard solution 1000 ppm	2/14/2023	Inorganic Ventures R2-HG696409
STD Hg standard solution 30 ppb	9/10/2022	HG-22-163- 185 -HGA3
STD Hg standard solution 3ppb	9/10/2022	HG-22-163- 186 -HGA4
ICV Hg standard solution 1000 ppm	4/30/2026	Agilent CT-1449
ICV Hg standard solution 30ppb	9/10/2022	HG-22-163- 187 -HGB3
Dilution Acid	12/20/2022	HG-21-416- 408 HGD2
Digestion Tubes Lot	N/A	Environmental Express 2204135
pH Paper	8/1/2024	Hydrion 222221

Form:GN087A79-03
Rev. Date: 6/6/17

SGS

Mercury Hot Block Digestion Log

Product **HG / HGTCLP**
Matrix: Aq / Liq / DW

Methods (Circle as appropriate)
EPA 245.1 **SW846 7470A**
Required corrected Temp. Range is 90-95 C.

MA Batch #: MA52966
Analyst: LM
Date: 9/12/2022
Balance ID: N/A
Reagents: See attached sheet
Auto pipet ID: M-82

Hot Block # HG-7 Start Time: 11:30 End Time: 13:30 Tube # 1-35.
Start Temp: 94 Corrected Start Temp: 93 Correction: -1 Thermometer ID: 3124942.
End Temp: 94 Corrected Start Temp: 93 Correction: -1 Thermometer ID: 3124942.
Hot Block #_____ Start Time:_____ End Time:_____ Tube #_____.
Start Temp:_____ Corrected Start Temp:_____ Correction:_____ Thermometer ID:_____.
End Temp:_____ Corrected Start Temp:_____ Correction:_____ Thermometer ID:_____.

Bot #	Sample ID	pH <2 Y/N	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments/Lot # and Vendor
1	MP35069-MB1	N	30	30				MP35069	
2	MP35069-B1	N	30	30	2.0ml	Y	0.03		HG-22-163-189-HGA3, IN. V.
3	MP35069-S1	Y	30	30	2.0ml	Y	0.03		JD51273-2, HG-22-163-189-HGA3, IN. V.
4	MP35069-S2	Y	30	30	2.0ml	Y	0.03		JD51273-2, HG-22-163-189-HGA3, IN. V.
5	JD51273-2	Y	30	30					
6	JD51275-3	Y	30	30					
7	JD51275-5	Y	30	30					
8	JD51275-7	Y	30	30					
9	JD51275-9	Y	30	30					
10	JD51289-2F	Y	30	30					
11	JD51289-3F	Y	30	30					
12	JD51289-4F	Y	30	30					
13	JD51277-1	Y	30	30					
14	JD51278-3	Y	30	30					
15	JD51278-5	Y	30	30					
16	JD51278-7	Y	30	30					
17	JD51278-9	Y	30	30					
18	JD51322-1	Y	5	30					DARK COLOR
19	JD51324-2	Y	5	30					DARK COLOR
20	MP35070-MB1	N	30	30				MP35070	TCLP
21	MP35070-B1	N	30	30	2.0ml	Y	0.03		HG-22-163-189-HGA3, IN. V.
22	MP35070-S1	Y	30	30	2.0ml	Y	0.03		JD51273-1A,HG-22-163-189-HGA3, IN. V.
23	MP35070-S2	Y	30	30	2.0ml	Y	0.03		JD51273-1A,HG-22-163-189-HGA3, IN. V.
24	JD51273-1A	Y	30	30					*0.5mL of HNO3 added at 11:00 for pH<2
25	JD50939-1RA	Y	30	30					
26	JD50441-1AR	Y	30	30					
27	JD50441-2AR	Y	30	30					
28	JD50441-3AR	Y	30	30					
29	JD50441-4AR	Y	30	30					
30	JD50441-5AR	Y	30	30					
31	JD50441-6AR	Y	30	30					
32	JD50441-7AR	Y	30	30					
33	JD50441-8AR	Y	30	30					
34	JD50441-9AR	Y	30	30					
35	JD50441-10AR	Y	30	30					

ANALYST: LM DATE: 9/12/22
Spike witness:_____ DATE:_____
QC: REVIEWER:_____ DATE:_____

DAYT-MET-0113-01-FORM-HGWATERPREP
Revision Date: 8/28/18

7.3.1

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Reagent Information Log- Hg Waters

MA # 52966

Reagents	Exp. Date	Reagent # or
Conc. Sulfuric Acid	9/6/2024	Fisher 220502
Conc. Nitric Acid	4/27/2024	VWR 2022042860
Sodium Chloride-Hydroxylamine Hydrochloride	1/26/2023	HG-22-163 92 -HGHCL
Potassium Permanganate 5%	1/26/2023	HG-22-163 90 -HGKM1
Potassium Persulfate	1/26/2023	HG-22-163 91 -HGKS
Stannous Chloride	9/13/2022	HG-22-163 192 -HGS
STD Hg standard solution 1000 ppm	2/14/2023	Inorganic Ventures R2-HG696409
STD Hg standard solution 30 ppb	9/13/2022	HG-22-163- 189 -HGA3
STD Hg standard solution 3ppb	9/13/2022	HG-22-163- 190 -HGA4
ICV Hg standard solution 1000 ppm	4/30/2026	Agilent CT-1449
ICV Hg standard solution 30ppb	9/13/2022	HG-22-163- 191 -HGB3
Dilution Acid	12/20/2022	HG-21-416- 408 HGD2
Digestion Tubes Lot	N/A	Environmental Express 2204135
pH Paper	8/1/2024	Hydrion 222221

Form:GN087A79-03
Rev. Date: 6/6/17

SGS North America Inc.

Aqueous Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP35088	9/12/2022	10:45	9/12/2022	16:15	JD51273-1A	

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	MP-10	771240	95	0	95
1	End	MP-10	771240	95	0	95
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M-81	2204135	

Sample ID	Bottle Number	pH<2 (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP35088-MB1	N/A	N	50	50	AB		
MP35088-B1	N/A	N	50	50	AB	ABCD	
MP35088-S1	2.1	N	50	50	AB	ABCD	*
MP35088-S2	2.1	N	50	50	AB	ABCD	*
MP35088-SD1	2.1	N	50	50	AB		*
JD50441-10AR	1.4	Y	50	50	AB		
JD50441-1AR	2.4	Y	50	50	AB		
JD50441-2AR	1.4	Y	50	50	AB		
JD50441-3AR	1.4	Y	50	50	AB		
JD50441-4AR	2.4	Y	50	50	AB		
JD50441-5AR	2.5	Y	50	50	AB		
JD50441-6AR	1.4	Y	50	50	AB		
JD50441-7AR	2.4	Y	50	50	AB		
JD50441-8AR	1.4	Y	50	50	AB		
JD50441-9AR	2.4	Y	50	50	AB		
JD50939-1RA	2.1	Y	50	50	AB		
JD51258-1	1.1	Y	50	50	AB		
JD51273-1A	2.1	N	50	50	AB		*
MP35088-LB1	N/A	N	50	50	AB		*
MP35088-LS1	N/A	N	50	50	AB	ABCD	*

Reagents Groups

Group	Description	MLs Used
A	CONC. HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	ACCUTEST 13A REV1	0.5
B	ACCUTEST 14A REV1	0.5
C	MINERALS 5000 PPM	0.25
D	AG 20 PPM	0.625
E		
F		
G		
H		
I		

Comments: * 0.5 ML OF CONC. HNO3 WAS ADDED TO MAKE PH<2 AT 10:40

Analyst SARAHF **Approved by** MELVINA **Approved on** 9/12/2022

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

SGS

Metals Digestion Reagents Information Log

Digestion Batch ID: MP35088 Date: 09/12/22

Matrix: ALL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution- (ACCUTEST 13A REV1)	1/28/2023	MP-21-58-64
Spiking Solution- (ACCUTEST 14A REV1)	1/28/2023	MP-21-58-62
Spiking Solution - 5000 mg/l Minerals	6/28/2023	T2-MEB719158 MFG: INO.VENT.
Spiking Solution - Sulfur 1000ppm	5/17/2024	LOT: 051721 MFG: ABSOLUTE STD.
Spiking Solution - Si 1000ppm	11/29/2022	S2-S1700841 MFG: INO.VENT.
Spiking Solution - Bi 1000ppm	12/10/2022	22125008 MFG: INO.VENT.
Spiking Solution - Se 20ppm	2/28/2023	MP-21-58-70
Spiking Solution - Li 1000ppm	11/15/2023	S2-L1701641 MFG: INO.VENT.
Spiking Solution- Ag 20 ppm	2/9/2023	MP-21-58-67
Spiking Solution - (ACCUTEST 13B REV1)	10/15/2022	MP-21-58-42
Spiking Solution - (ACCUTEST 14B REV1)	10/15/2022	MP-21-58-43
Spiking Solution - 1000ppm Minerals	2/18/2023	MP-21-58-68
Spiking Solution- P		
Nitric Acid	9/12/2024	LOT:MKCQ7081 MFG: SIGMA ALDRICH
Nitric Acid (1:1)	3/7/2023	MP-21-60-117 1:1 HNO3
Hydrochloric Acid	9/12/2024	LOT:21CC662007 MFG: JT BAKER
Hydrochloric Acid (1:1)	3/2/2023	MP-21-60-114 1:1 HCL
Hydrogen Peroxide	8/18/2024	LOT: 221315 MFG: FISHER
Soil Lab Control/Soil LC	7/6/2024	LOT: D110-540 MFG: ERA
Teflon Chips(For Soil MB and Blank Spike)	N/A	LOT: 27407287 MFG: SAINT-GOBAIN
Digestion Tubes	N/A	LOT: 2204135 MFG: ENV. EXPRESS
pH Paper	2/15/2024	LOT: 205521 MFG: HYDRION
Filter paper Q8	N/A	LOT: 17470298 MFG: FISHER

Spike witnessed By: RE

metals digestion reagents information log 2022
1/17/18

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Sample: JD50441-1 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-1

Wet Weight (Total)	31.75	g
Tare Weight	23.65	g
Dry Weight (Total)	30.39	g
Solids, Percent	83.2	%

Sample: JD50441-2 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-2

Wet Weight (Total)	26.45	g
Tare Weight	18.91	g
Dry Weight (Total)	25.14	g
Solids, Percent	82.6	%

Sample: JD50441-3 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-3

Wet Weight (Total)	30.31	g
Tare Weight	21.41	g
Dry Weight (Total)	28.68	g
Solids, Percent	81.7	%

Sample: JD50441-4 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-4

Wet Weight (Total)	33.36	g
Tare Weight	25.05	g
Dry Weight (Total)	31.87	g
Solids, Percent	82.1	%

Sample: JD50441-5 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-5

Wet Weight (Total)	33.07	g
Tare Weight	25.38	g
Dry Weight (Total)	32.4	g
Solids, Percent	91.3	%

Sample: JD50441-6 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-6

Wet Weight (Total)	32.75	g
Tare Weight	27.73	g
Dry Weight (Total)	32.1	g
Solids, Percent	87.1	%

Percent Solids Raw Data Summary

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Sample: JD50441-7 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-7

Wet Weight (Total)	31.09	g
Tare Weight	24.38	g
Dry Weight (Total)	29.94	g
Solids, Percent	82.9	%

Sample: JD50441-8 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-8

Wet Weight (Total)	32.4	g
Tare Weight	26.56	g
Dry Weight (Total)	31.54	g
Solids, Percent	85.3	%

Sample: JD50441-9 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-9

Wet Weight (Total)	30.93	g
Tare Weight	24.5	g
Dry Weight (Total)	29.86	g
Solids, Percent	83.4	%

Sample: JD50441-10 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-201

Wet Weight (Total)	26.8	g
Tare Weight	18.34	g
Dry Weight (Total)	24.99	g
Solids, Percent	78.6	%

Misc. Raw Data

Raw Data

SGS

TOXICITY CHARACTERISTIC LEACHING PROCEDURE FOR METALS & EXTRACTABLES, METHOD SW846 1311 (TCLPE)

NOTE: Only one lot of fluid 1 or fluid 2 may be used per sheet. Lots shown on page 2. **TC Batch ID: TCO769**

TCLPE

Samples		Container			Leaching Dates		Leaching Times				Extracted Masses			Preliminary Evaluation*					Extraction Fluid					
Sample ID	PS?* (Y/N)	No.	Type	Rot.	Started	Stopped	Start	Earliest Stop	Latest Stop	Actual Stop	Grams Total	%SOL	Grams Solid	Buffer TV	Step1 pH	Step 1 spin	Buffer TV	Step2 pH	Fluid #	pH	Pass?	Vol. (mL)	Buffer TV	Final pH
PH Buffer														4.00	4.01		4.00	4.01	#1 pH = 4.93 ± 0.05 #2 pH = 2.88 ± 0.05				4.00	4.01
PH Buffer														7.00	7.02		7.00	7.02					7.00	7.01
PH Buffer														10.00	10.00		10.00	10.00					10.00	10.00
LB (fluid #1)	N	8	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	NA	NA	NA	NA	NA	NA	NA	NA	1	4.92	YES	2000	NA	4.98
LB (fluid #2)	N	18	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	NA	NA	NA	NA	NA	NA	NA	NA	2	2.88	YES	2000	NA	2.62
JD50939-1	N	1	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.64	100	100.64	NA	6.63	5 mins	NA	1.46	1	4.92	YES	2012.8	NA	5.04
JD50908-4	N	3	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.78	100	100.78	NA	10.18	5 mins	NA	5.92	2	2.88	YES	2015.6	NA	6.28
JD50441-1	N	5	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.68	100	100.68	NA	9.00	5 mins	NA	1.43	1	4.92	YES	2013.6	NA	5.47
JD50441-3	N	6	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.98	100	100.98	NA	7.58	5 mins	NA	1.40	1	4.92	YES	2019.6	NA	5.05
JD50441-4	N	7	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.69	100	100.69	NA	8.95	5 mins	NA	1.41	1	4.92	YES	2013.8	NA	5.17
JD50441-5	N	14	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.27	100	100.27	NA	9.58	5 mins	NA	1.50	1	4.92	YES	2005.4	NA	6.13
JD50441-6	N	16	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.21	100	100.21	NA	9.61	5 mins	NA	1.47	1	4.92	YES	2004.2	NA	5.54
JD50441-7	N	19	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.18	100	100.18	NA	10.24	5 mins	NA	2.69	1	4.92	YES	2003.6	NA	6.93
JD50441-2	N	21	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.11	100	100.11	NA	9.06	5 mins	NA	1.47	1	4.92	YES	2002.2	NA	5.69
JD50441-8	N	31	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.23	100	100.23	NA	9.12	5 mins	NA	1.57	1	4.92	YES	2004.6	NA	5.32
PH Buffer														4.00	4.05		2.00	2.05					4.00	4.04
PH Buffer														10.00	10.00		4.00	4.05					10.00	10.03
JD50441-9	N	32	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.48	100	100.48	NA	7.61	5 mins	NA	1.46	1	4.92	YES	2009.6	NA	5.23
JD50441-10	N	34	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.84	100	100.84	NA	8.75	5 mins	NA	1.47	1	4.92	YES	2016.8	NA	5.02
JD51258-1	N	36	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.35	100	100.35	NA	9.81	5 mins	NA	1.50	1	4.92	YES	2007	NA	6.63
JD51260-1	N	40	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.77	100	100.77	NA	6.57	5 mins	NA	1.40	1	4.92	YES	2015.4	NA	5.04
JD51273-1	N	41	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.58	100	100.58	NA	11.75	5 mins	NA	1.89	1	4.92	YES	2011.6	NA	5.62
												100	0.00	NA		5 mins	NA		1	4.92	YES		NA	
												100	0.00	NA		5 mins	NA		1	4.92	YES		NA	
												100	0.00	NA		5 mins	NA		1	4.92	YES		NA	
												100	0.00	NA		5 mins	NA		1	4.92	YES		NA	
												100	0.00	NA		5 mins	NA		1	4.92	YES		NA	
PH Buffer														4.00	4.05		2.00	2.05					4.00	4.05
PH Buffer														10.00	10.00		4.00	4.05					7.00	7.04

Comments and additional information continued on the next page. (*PS=particle sizing)

Data Reviewer / Date: _____ Set-up analyst: NF Take-down analyst: NF

Form: AGN-TCLPE-07b
Revised: 18-Jun-17
Validated: AD, 18-Jun-17

SGS ACCUTEST

TOXICITY CHARACTERISTIC LEACHING PROCEDURE FOR METALS & EXTRACTABLES, METHOD SW846 1311 (TCLPE)

TC Batch ID: TCO769

Balance ID: B54

pH meter ID: PH 67

Temperature ranges during leaching. (Must be from 20.5-25.4 °C, and recorded for each leaching period).

	Uncorrected Temperatures			Corrected Temperatures		
Probe ID	Minimum	Maximum	CF	Minimum	Maximum	For rotator(s)
56418			0	0.00	0.00	7 & 8
50266	22.63	23.80	0	22.63	23.80	9 & 10
56717			0	0.00	0.00	4
45776			0	0.00	0.00	5
49504			0	0.00	0.00	11 & 12

Rotator revolution rates. (Must be from 28-32 rpm, and check weekly for all rotators).

Rotator ID:	Rate:	Last measured:
4	32	15-Jul-22
5	29	15-Jul-22
7	28	15-Jul-22
8	NA	22-Apr-21
9	32	15-Jul-22
10	32	15-Jul-22
11	NA	7-Sep-21
12	28	15-Jul-22

***Preliminary Evaluation Temperature (49.5-50.4 °C, heat for 10 min)**

Thermometer ID: 5624720

Expiration: 13-Jul-23

Recorded temperature: 50

Heating time: Start:

End:

Reagent Information	Reagent ID or Manufacturer Lot	Expiration Date
Reagent		
Extraction fluid 1	GNE7-70894-TCLP	3-Aug-2022
Extraction fluid 2	GNE7-70895-TCLP	3-Aug-2022
TCLP filters	Env. Exp. Lot 115066-2038-AG	N/A
Filter acid-rinse solution	GNE7-70898-TCLP	20-Jan-2023
pH 2 buffer	FISHER 210051	1-Mar-2023
pH 4 buffer	FISHER 215966	1-Nov-2023
pH 7 buffer	FISHER 215965	1-Sep-2023
pH 10 buffer	FISHER 210276	1-Feb-2023
pH 12 buffer	N/A	N/A
pH 13 buffer	RICCA 2107D21	1-Jan-2023
Nitric acid, concentrated	REAGENTS 8203522	31-Jan-2024
Nitric acid, 1N		
1N HCl	GNE6-70547-TCLP	12/2/2022

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

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Automated Report

Technical Report for

Equity Environmental Engineering

329 Clarkson Ave, Brooklyn, NY

SGS Job Number: JD50441R

Sampling Dates: 08/20/22 - 08/21/22



Report to:

Equity Environmental Engineering
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ATTN: Bob Jackson

Total number of pages in report: **204**

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

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200

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

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SGS North America Inc.

Sample Summary

Equity Environmental Engineering

329 Clarkson Ave, Brooklyn, NY

Job No: JD50441R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD50441-1AR	08/20/22	09:45	KF	08/22/22	SO	Soil	WC-1
JD50441-2AR	08/21/22	11:30	KF	08/22/22	SO	Soil	WC-2
JD50441-3AR	08/20/22	10:30	KF	08/22/22	SO	Soil	WC-3
JD50441-4AR	08/20/22	11:15	KF	08/22/22	SO	Soil	WC-4
JD50441-5AR	08/20/22	12:15	KF	08/22/22	SO	Soil	WC-5
JD50441-6AR	08/20/22	13:45	KF	08/22/22	SO	Soil	WC-6
JD50441-7AR	08/20/22	14:15	KF	08/22/22	SO	Soil	WC-7
JD50441-8AR	08/21/22	09:30	KF	08/22/22	SO	Soil	WC-8
JD50441-9AR	08/21/22	10:20	KF	08/22/22	SO	Soil	WC-9
JD50441-10AR	08/21/22	11:30	KF	08/22/22	SO	Soil	WC-201

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Equity Environmental Engineering	**Job No:**	JD50441R
Site:	329 Clarkson Ave, Brooklyn, NY	**Report Date**	9/14/2022 9:38:36 AM

On 08/22/2022, 10 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 5.3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD50441R was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

Metals Analysis By Method SW846 6010D

Matrix: LEACHATE **Batch ID:** MP35088

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD51273-1AMS, JD51273-1AMSD, JD51273-1ASDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Lead, Silver are outside control limits for sample MP35088-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- Samples(s) JD50441-10AR, JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR: New York does not offer 3010A certification for antimony and silver. The laboratory is certified for method 3010A (Acid Digestion for Total Metals) for all other metals and is certified for the associated analytical methods of 6010C (ICP Analysis) and 6020A (ICP-MS Analysis). New York does certify for method 3005A (Acid Digestion for Total Recoverable or Dissolved Metals) for antimony and silver and the laboratory holds that certification, but that provides total recoverable rather than total metals results.

Metals Analysis By Method SW846 7470A

Matrix: LEACHATE **Batch ID:** MP35070

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD51273-1AMS, JD51273-1AMSD were used as the QC samples for metals.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD50441R
Account: Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Collected: 08/20/22 thru 08/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD50441-1AR	**WC-1**					
Barium		0.42	0.20		mg/l	SW846 6010D
JD50441-2AR	**WC-2**					
Barium		0.45	0.20		mg/l	SW846 6010D
Cadmium		0.0082	0.0040		mg/l	SW846 6010D
Lead		0.99	0.10		mg/l	SW846 6010D
JD50441-3AR	**WC-3**					
Barium		0.27	0.20		mg/l	SW846 6010D
JD50441-4AR	**WC-4**					
Barium		0.28	0.20		mg/l	SW846 6010D
JD50441-5AR	**WC-5**					
No hits reported in this sample.						
JD50441-6AR	**WC-6**					
Barium		0.33	0.20		mg/l	SW846 6010D
Cadmium		0.0055	0.0040		mg/l	SW846 6010D
JD50441-7AR	**WC-7**					
Barium		0.26	0.20		mg/l	SW846 6010D
JD50441-8AR	**WC-8**					
Barium		0.48	0.20		mg/l	SW846 6010D
Cadmium		0.0070	0.0040		mg/l	SW846 6010D
Lead		1.6	0.10		mg/l	SW846 6010D
JD50441-9AR	**WC-9**					
Barium		0.21	0.20		mg/l	SW846 6010D
JD50441-10AR	**WC-201**					
Barium		0.44	0.20		mg/l	SW846 6010D
Cadmium		0.0046	0.0040		mg/l	SW846 6010D

Summary of Hits

Job Number: JD50441R
Account: Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Collected: 08/20/22 thru 08/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		0.45	0.10		mg/l	SW846 6010D

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	WC-1		
Lab Sample ID:	JD50441-1AR	**Date Sampled:**	08/20/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	83.2
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.42	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-2		
Lab Sample ID:	JD50441-2AR	**Date Sampled:**	08/21/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	82.6
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.45	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	0.0082	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	0.99	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID: WC-3
Lab Sample ID: JD50441-3AR
Matrix: SO - Soil
Project: 329 Clarkson Ave, Brooklyn, NY

Date Sampled: 08/20/22
Date Received: 08/22/22
Percent Solids: 81.7

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.27	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-4		
Lab Sample ID:	JD50441-4AR	**Date Sampled:**	08/20/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	82.1
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.28	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-5		
Lab Sample ID:	JD50441-5AR	**Date Sampled:**	08/20/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	91.3
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	< 0.20	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID: WC-6
Lab Sample ID: JD50441-6AR
Matrix: SO - Soil
Project: 329 Clarkson Ave, Brooklyn, NY

Date Sampled: 08/20/22
Date Received: 08/22/22
Percent Solids: 87.1

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.33	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	0.0055	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-7		
Lab Sample ID:	JD50441-7AR	**Date Sampled:**	08/20/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	82.9
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.26	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-8		
Lab Sample ID:	JD50441-8AR	**Date Sampled:**	08/21/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	85.3
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.48	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	0.0070	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	1.6	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	WC-9		
Lab Sample ID:	JD50441-9AR	**Date Sampled:**	08/21/22
Matrix:	SO - Soil	**Date Received:**	08/22/22
		Percent Solids:	83.4
Project:	329 Clarkson Ave, Brooklyn, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.21	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	< 0.10	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID: WC-201
Lab Sample ID: JD50441-10AR
Matrix: SO - Soil
Project: 329 Clarkson Ave, Brooklyn, NY

Date Sampled: 08/21/22
Date Received: 08/22/22
Percent Solids: 78.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.10	D004	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Barium	0.44	D005	100	0.20	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Cadmium	0.0046	D006	1.0	0.0040	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Lead	0.45	D008	5.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	09/12/22	09/12/22	LM	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.10	D010	1.0	0.10	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	09/12/22	09/13/22	MET	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA52966
(2) Instrument QC Batch: MA52983
(3) Prep QC Batch: MP35070
(4) Prep QC Batch: MP35088

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SO
SLL

SGS CHAIN OF CUSTODY

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

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

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: 75-691822-16
SGS Quote #:
SGS Job #: JD50441

Client / Reporting Information

Company Name: Equity Environmental Engineering
Street Address: 500 International Dr. Suite 150
City: Mt. Olive State: NJ Zip: 07828
Project Contact: Bob Jackson E-mail: BobJackson@EquityEnvironmental.com
Phone #: 973-527-7451
Sampler(s) Name(s): Kelly Florczak Phone #:

Project Information

Project Name: Camba Clarkson Site L
Street: 329 Clarkson Ave
City: Brooklyn State: NY
Project #:
Client Purchase Order #:
Project Manager: Bob JACKSON

Billing Information (If different from Report to)

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

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCL VOC	TCL SVOC	PCB	TAL Metals	TCLP + 8 RCRA metals	LAB USE ONLY
1	WC-1		8/20/22	0945	KF	C	N	SO	10					3	2	1		X	X	X	X	X	B17
2	WC-2		8/21/22	1130										3	2	1		X	X	X	X	X	P61
3	WC-3		8/20/22	1030										3	2	1		X	X	X	X	X	encore
4	WC-4			1115										3	2	1		X	X	X	X	X	14I6
5	WC-5			1215										3	2	1		X	X	X	X	X	4023
6	WC-6			1345										3	2	1		X	X	X	X	X	
7	WC-7			1415										3	2	1		X	X	X	X	X	
8	WC-8		8/21/22	0930										3	2	1		X	X	X	X	X	
9	WC-9			1020										3	2	1		X	X	X	X	X	
10	WC-201			1130										3	2	1		X	X	X	X	X	

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

pH Check (Lab Use Only)

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

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

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

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

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

Comments / Special Instructions

Initial Assessment
Label Verification
http://www.sgs.com/en/terms-and-conditions

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

	Relinquished by:	Date / Time:	Received By:
1	Kelly Florczak	8/22/22 1555	1
2			2
3			3
4			4
5			5

Custody Seal # ☐ Intact ☐ Not Intact ☐ Absent

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

4.7 3.3

5.1 5

SGS Sample Receipt Summary

Job Number: JD50441 **Client:** EQUITY ENVIRONMENTAL ENGINEERIN **Project:** 329 CLARKSON AVE,BROOKLYN, NY

Date / Time Received: 8/22/2022 5:15:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.7); Cooler 2: (3.3);

Cooler Temps (Corrected) °C: Cooler 1: (5.3); Cooler 2: (3.9);

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JD50441

Requested Date:	8/23/2022	**Received Date:**	8/22/2022
Account Name:	Equity Environmental Engineering	**Due Date:**	8/23/2022
Project Description:	329 Clarkson Ave, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	THAMILVILI **PM:** TM	**TAT (Days):**	7

==========

Sample #: JD50441-1A thru -10A

Dept:

TAT: 7

Change:
Cancel TCLPE & TCLPM per client to be on HOLD

==========

Above Changes Per: Kelly Florczak **Date/Time:** 8/23/2022

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

Job Change Order: JD50441

Requested Date:	9/7/2022	**Received Date:**	8/22/2022
Account Name:	Equity Environmental Engineering	**Due Date:**	9/7/2022
Project Description:	329 Clarkson Ave, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	TAMMYM **PM:** TM	**TAT (Days):**	7

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Sample #: JD50441-1 through 10 **Change:** Relog for TCLPE, TCLPM

Dept:

TAT: 7

==========

Above Changes Per: Bob Jackson **Date/Time:** 9/7/2022

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Internal Sample Tracking Chronicle

Equity Environmental Engineering

329 Clarkson Ave, Brooklyn, NY

Job No: JD50441R

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD50441-1A	Collected: 20-AUG-22 09:45 By: KF			Received: 22-AUG-22 By: JR		
WC-1						
JD50441-1AR	SW846 7470A	12-SEP-22 16:20	LM	12-SEP-22	LM	EHG
JD50441-1AR	SW846 6010D	13-SEP-22 18:33	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-2A	Collected: 21-AUG-22 11:30 By: KF			Received: 22-AUG-22 By: JR		
WC-2						
JD50441-2AR	SW846 7470A	12-SEP-22 16:22	LM	12-SEP-22	LM	EHG
JD50441-2AR	SW846 6010D	13-SEP-22 18:38	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-3A	Collected: 20-AUG-22 10:30 By: KF			Received: 22-AUG-22 By: JR		
WC-3						
JD50441-3AR	SW846 7470A	12-SEP-22 16:26	LM	12-SEP-22	LM	EHG
JD50441-3AR	SW846 6010D	13-SEP-22 18:43	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-4A	Collected: 20-AUG-22 11:15 By: KF			Received: 22-AUG-22 By: JR		
WC-4						
JD50441-4AR	SW846 7470A	12-SEP-22 16:28	LM	12-SEP-22	LM	EHG
JD50441-4AR	SW846 6010D	13-SEP-22 18:48	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-5A	Collected: 20-AUG-22 12:15 By: KF			Received: 22-AUG-22 By: JR		
WC-5						
JD50441-5AR	SW846 7470A	12-SEP-22 16:29	LM	12-SEP-22	LM	EHG
JD50441-5AR	SW846 6010D	13-SEP-22 18:54	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-6A	Collected: 20-AUG-22 13:45 By: KF			Received: 22-AUG-22 By: JR		
WC-6						
JD50441-6AR	SW846 7470A	12-SEP-22 16:31	LM	12-SEP-22	LM	EHG
JD50441-6AR	SW846 6010D	13-SEP-22 18:59	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-7A	Collected: 20-AUG-22 14:15 By: KF			Received: 22-AUG-22 By: JR		
WC-7						
JD50441-7AR	SW846 7470A	12-SEP-22 16:32	LM	12-SEP-22	LM	EHG

Internal Sample Tracking Chronicle

Equity Environmental Engineering

329 Clarkson Ave, Brooklyn, NY

Job No: JD50441R

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD50441-7AR	SW846 6010D	13-SEP-22 19:04	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-8AR	Collected: 21-AUG-22 09:30 By: KF WC-8		Received: 22-AUG-22 By: JR			
JD50441-8AR	SW846 7470A	12-SEP-22 16:33	LM	12-SEP-22	LM	EHG
JD50441-8AR	SW846 6010D	13-SEP-22 19:09	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-9AR	Collected: 21-AUG-22 10:20 By: KF WC-9		Received: 22-AUG-22 By: JR			
JD50441-9AR	SW846 7470A	12-SEP-22 16:35	LM	12-SEP-22	LM	EHG
JD50441-9AR	SW846 6010D	13-SEP-22 19:15	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JD50441-10AR	Collected: 21-AUG-22 11:30 By: KF WC-201		Received: 22-AUG-22 By: JR			
JD50441-10AR	SW846 7470A	12-SEP-22 16:36	LM	12-SEP-22	LM	EHG
JD50441-10AR	SW846 6010D	13-SEP-22 19:30	MET	12-SEP-22	SO	EAG,EAS,EBA,ECD,ECR,EPB,ESE

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-1.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-1.1	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-1.1	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-1.1	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-1.1	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-1.1	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-1.1.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-1.1
JD50441-1.1.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-1.1.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-1.1.1
JD50441-1.1.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-1.1.1
JD50441-1.1.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-1.1.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-1.1.1
JD50441-1.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-1.2	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-1.2	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-1.2	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-1.2	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-1.2	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-1.2	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-1.2	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-1.2	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-1.2	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-1.2	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-1.2	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-1.2	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-1.2	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-1.2	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-1.2	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-1.2	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-1.2	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-1.2.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-1.2
JD50441-1.2.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-1.2
JD50441-1.2.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-1.2.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-1.2.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-1.2.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-1.2.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-1.2.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-1.2
JD50441-1.2.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-1.2
JD50441-1.2.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-1.2.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-1.2
JD50441-1.2.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-1.2
JD50441-1.2.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-1.2.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-1.2.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-1.2.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-1.2
JD50441-1.2.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-1.2
JD50441-1.2.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-1.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-1.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-1.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-1.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-1.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-1.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-1.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-1.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-1.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-1.6	William Murawski		08/30/22 10:57	Depleted
JD50441-1.7	Secured Storage	William Murawski	08/30/22 10:57	Retrieve from Storage
JD50441-1.7	William Murawski	GCMSI	08/30/22 10:57	Load on Instrument
JD50441-1.7	GCMSI	William Murawski	08/31/22 10:06	Unload from Instrument
JD50441-1.7	William Murawski		08/31/22 10:07	Depleted
JD50441-2.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-2.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-2.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-2.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-2.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-2.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-2.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-2.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-2.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-2.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-2.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-2.1	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-2.1	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-2.1	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-2.1	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-2.1	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-2.1	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-2.1	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-2.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-2.1
JD50441-2.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-2.1
JD50441-2.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-2.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-2.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-2.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-2.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-2.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-2.1
JD50441-2.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-2.1
JD50441-2.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-2.1.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-2.1
JD50441-2.1.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-2.1
JD50441-2.1.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-2.1.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-2.1.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-2.1.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-2.1
JD50441-2.1.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-2.1
JD50441-2.1.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-2.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-2.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-2.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-2.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-2.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-2.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-2.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-2.2
JD50441-2.2.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-2.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-2.2.1
JD50441-2.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-2.2.1

SGS Internal Chain of Custody

Job Number: JD50441R
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-2.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-2.2.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-2.2.1
JD50441-2.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-2.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-2.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-2.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-2.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-2.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-2.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-2.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-2.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-2.6	William Murawski		08/30/22 10:57	Depleted
JD50441-2.7	Secured Storage	William Murawski	08/30/22 10:57	Retrieve from Storage
JD50441-2.7	William Murawski	GCMSI	08/30/22 10:57	Load on Instrument
JD50441-2.7	GCMSI	William Murawski	08/31/22 10:06	Unload from Instrument
JD50441-2.7	William Murawski		08/31/22 10:07	Depleted
JD50441-3.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-3.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-3.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-3.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-3.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-3.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-3.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-3.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-3.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-3.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-3.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-3.1	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-3.1	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-3.1	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-3.1	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-3.1	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-3.1	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-3.1	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-3.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-3.1

SGS Internal Chain of Custody

Job Number: JD50441R
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-3.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-3.1
JD50441-3.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-3.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-3.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-3.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-3.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-3.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-3.1
JD50441-3.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-3.1
JD50441-3.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-3.1.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-3.1
JD50441-3.1.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-3.1
JD50441-3.1.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-3.1.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-3.1.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-3.1.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-3.1
JD50441-3.1.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-3.1
JD50441-3.1.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-3.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-3.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-3.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-3.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-3.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-3.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-3.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-3.2
JD50441-3.2.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-3.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-3.2.1
JD50441-3.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-3.2.1
JD50441-3.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-3.2.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-3.2.1
JD50441-3.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-3.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-3.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-3.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-3.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-3.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-3.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-3.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-3.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-3.6	William Murawski		08/30/22 10:57	Depleted
JD50441-4.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-4.1	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-4.1	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-4.1	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-4.1	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-4.1	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-4.1.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-4.1
JD50441-4.1.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-4.1.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-4.1.1
JD50441-4.1.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-4.1.1
JD50441-4.1.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-4.1.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-4.1.1
JD50441-4.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-4.2	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-4.2	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-4.2	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-4.2	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-4.2	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-4.2	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-4.2	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-4.2	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-4.2	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-4.2	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-4.2	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-4.2	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-4.2	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-4.2	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-4.2	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-4.2	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-4.2	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-4.2.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-4.2

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-4.2.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-4.2
JD50441-4.2.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-4.2.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-4.2.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-4.2.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-4.2.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-4.2.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-4.2
JD50441-4.2.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-4.2
JD50441-4.2.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-4.2.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-4.2
JD50441-4.2.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-4.2
JD50441-4.2.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-4.2.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-4.2.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-4.2.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-4.2
JD50441-4.2.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-4.2
JD50441-4.2.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-4.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-4.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-4.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-4.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-4.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-4.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-4.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-4.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-4.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-4.6	William Murawski		08/30/22 10:57	Depleted
JD50441-5.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-5.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-5.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-5.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-5.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-5.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-5.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-5.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-5.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-5.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-5.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-5.1	Christian King	Secured Staging Area	08/31/22 20:19	Return to Storage
stage				
JD50441-5.1	Secured Staging Area	Ellen Dondeo	09/01/22 07:12	Retrieve from Storage
JD50441-5.1	Ellen Dondeo	Secured Storage	09/01/22 16:46	Return to Storage
JD50441-5.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-5.1
JD50441-5.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-5.1
JD50441-5.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-5.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-5.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-5.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-5.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-5.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-5.1
JD50441-5.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-5.1
JD50441-5.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-5.1.3	Ellen Dondeo	Organics Prep	09/01/22 07:21	Extract from JD50441-5.1
JD50441-5.1.3	Organics Prep	Erin Burke	09/01/22 18:55	Extract from JD50441-5.1
JD50441-5.1.3	Erin Burke	Extract Storage	09/01/22 18:55	Return to Storage
JD50441-5.1.3	Extract Storage	Christopher Sowa	09/02/22 23:32	Retrieve from Storage
JD50441-5.1.3	Christopher Sowa	GCMS2P	09/02/22 23:32	Load on Instrument
JD50441-5.1.3	GCMS2P	Kristi Schollenberger	09/03/22 14:59	Unload from Instrument
JD50441-5.1.3	Kristi Schollenberger	Extract Freezer	09/03/22 14:59	Return to Storage
JD50441-5.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-5.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-5.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-5.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-5.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-5.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-5.2	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-5.2	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-5.2	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-5.2	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-5.2	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-5.2	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-5.2	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-5.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-5.2
JD50441-5.2.1	Sarah Fichot		09/06/22 16:06	Depleted

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Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-5.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-5.2.1
JD50441-5.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-5.2.1
JD50441-5.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-5.2.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-5.2
JD50441-5.2.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-5.2
JD50441-5.2.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-5.2.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-5.2.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-5.2.4	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-5.2.1
JD50441-5.2.5	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-5.2
JD50441-5.2.5	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-5.2
JD50441-5.2.5	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-5.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-5.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-5.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-5.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-5.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-5.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-5.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-5.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-5.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-5.6	William Murawski		08/30/22 10:57	Depleted
JD50441-6.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-6.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-6.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-6.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-6.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-6.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-6.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-6.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-6.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-6.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-6.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-6.1	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-6.1	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-6.1	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-6.1	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-6.1	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-6.1	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-6.1	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-6.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-6.1
JD50441-6.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-6.1
JD50441-6.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-6.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-6.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-6.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-6.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-6.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-6.1
JD50441-6.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-6.1
JD50441-6.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-6.1.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-6.1
JD50441-6.1.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-6.1
JD50441-6.1.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-6.1.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-6.1.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-6.1.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-6.1
JD50441-6.1.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-6.1
JD50441-6.1.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-6.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-6.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-6.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-6.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-6.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-6.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-6.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-6.2
JD50441-6.2.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-6.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-6.2.1
JD50441-6.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-6.2.1
JD50441-6.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-6.2.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-6.2.1

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-6.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-6.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-6.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-6.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-6.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-6.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-6.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-6.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-6.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-6.6	William Murawski		08/30/22 10:57	Depleted
JD50441-7.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-7.1	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-7.1	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-7.1	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-7.1	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-7.1	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-7.1.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-7.1
JD50441-7.1.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-7.1.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-7.1.1
JD50441-7.1.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-7.1.1
JD50441-7.1.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-7.1.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-7.1.1
JD50441-7.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-7.2	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-7.2	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-7.2	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-7.2	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-7.2	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-7.2	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-7.2	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-7.2	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-7.2	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-7.2	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-7.2	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-7.2	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-7.2	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-7.2	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-7.2	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-7.2	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-7.2	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-7.2.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-7.2
JD50441-7.2.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-7.2
JD50441-7.2.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-7.2.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-7.2.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-7.2.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-7.2.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-7.2.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-7.2
JD50441-7.2.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-7.2
JD50441-7.2.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-7.2.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-7.2
JD50441-7.2.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-7.2
JD50441-7.2.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-7.2.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-7.2.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-7.2.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-7.2
JD50441-7.2.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-7.2
JD50441-7.2.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-7.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-7.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-7.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-7.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-7.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-7.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-7.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-7.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-7.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-7.6	William Murawski		08/30/22 10:57	Depleted
JD50441-8.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-8.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
stage				
JD50441-8.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-8.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-8.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-8.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-8.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-8.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-8.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-8.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-8.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-8.1	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-8.1	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-8.1	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-8.1	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-8.1	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-8.1	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-8.1	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-8.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-8.1
JD50441-8.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-8.1
JD50441-8.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-8.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-8.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-8.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-8.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-8.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-8.1
JD50441-8.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-8.1
JD50441-8.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-8.1.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-8.1
JD50441-8.1.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-8.1
JD50441-8.1.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-8.1.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-8.1.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-8.1.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-8.1
JD50441-8.1.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-8.1
JD50441-8.1.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-8.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-8.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-8.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-8.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-8.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-8.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-8.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-8.2
JD50441-8.2.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-8.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-8.2.1
JD50441-8.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-8.2.1
JD50441-8.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-8.2.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-8.2.1
JD50441-8.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-8.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-8.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-8.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-8.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-8.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-8.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-8.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-8.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-8.6	William Murawski		08/30/22 10:57	Depleted
JD50441-9.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-9.1	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-9.1	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-9.1	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-9.1	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-9.1	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-9.1.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:37	Aliquot from JD50441-9.1
JD50441-9.1.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-9.1.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-9.1.1
JD50441-9.1.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-9.1.1
JD50441-9.1.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-9.1.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-9.1.1
JD50441-9.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-9.2	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
stage				
JD50441-9.2	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-9.2	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-9.2	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-9.2	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-9.2	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-9.2	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-9.2	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-9.2	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-9.2	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-9.2	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-9.2	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-9.2	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-9.2	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-9.2	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-9.2	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-9.2	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-9.2.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-9.2
JD50441-9.2.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-9.2
JD50441-9.2.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-9.2.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-9.2.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-9.2.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-9.2.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-9.2.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-9.2
JD50441-9.2.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-9.2
JD50441-9.2.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-9.2.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-9.2
JD50441-9.2.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-9.2
JD50441-9.2.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-9.2.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-9.2.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-9.2.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-9.2
JD50441-9.2.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-9.2
JD50441-9.2.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-9.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-9.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-9.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-9.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-9.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-9.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-9.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-9.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-9.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-9.6	William Murawski		08/30/22 10:57	Depleted
JD50441-10.1	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-10.1	Christian King	Secured Staging Area	08/23/22 23:18	Return to Storage
stage				
JD50441-10.1	Secured Staging Area	Ellen Dondeo	08/24/22 07:56	Retrieve from Storage
JD50441-10.1	Ellen Dondeo	Jack Hennigan	08/24/22 18:02	Custody Transfer
JD50441-10.1	Jack Hennigan	Secured Storage	08/24/22 18:38	Return to Storage
JD50441-10.1	Secured Storage	Ellen Dondeo	08/25/22 12:04	Retrieve from Storage
JD50441-10.1	Ellen Dondeo	Secured Storage	08/26/22 07:14	Return to Storage
JD50441-10.1	Secured Storage	Todd Shoemaker	08/30/22 09:30	Retrieve from Storage
JD50441-10.1	Todd Shoemaker	Secured Staging Area	08/30/22 09:30	Return to Storage
JD50441-10.1	Secured Staging Area	Natasha Verma	08/30/22 17:09	Retrieve from Storage
JD50441-10.1	Natasha Verma	Secured Storage	08/30/22 17:10	Return to Storage
JD50441-10.1	Christian King	Secured Staging Area	09/01/22 20:38	Return to Storage
stage				
JD50441-10.1	Secured Staging Area	Ellen Dondeo	09/02/22 06:56	Retrieve from Storage
JD50441-10.1	Ellen Dondeo	Secured Storage	09/02/22 14:13	Return to Storage
JD50441-10.1	Secured Storage	Todd Shoemaker	09/08/22 10:42	Retrieve from Storage
JD50441-10.1	Todd Shoemaker	Secured Staging Area	09/08/22 10:42	Return to Storage
JD50441-10.1	Secured Staging Area	Noah Fite	09/08/22 11:32	Retrieve from Storage
JD50441-10.1	Noah Fite	Secured Storage	09/08/22 14:21	Return to Storage
JD50441-10.1.1	Ellen Dondeo	Organics Prep	08/24/22 10:27	Extract from JD50441-10.1
JD50441-10.1.1	Organics Prep	Jack Hennigan	08/25/22 12:24	Extract from JD50441-10.1
JD50441-10.1.1	Jack Hennigan	Extract Storage	08/25/22 12:24	Return to Storage
JD50441-10.1.1	Extract Storage	Brandon Vega	08/25/22 16:00	Retrieve from Storage
JD50441-10.1.1	Brandon Vega	GCMSZ	08/25/22 16:00	Load on Instrument
JD50441-10.1.1	GCMSZ	Kristi Schollenberger	08/27/22 19:17	Unload from Instrument
JD50441-10.1.1	Kristi Schollenberger	Extract Freezer	08/27/22 19:17	Return to Storage
JD50441-10.1.2	Ellen Dondeo	Organics Prep	08/25/22 12:10	Extract from JD50441-10.1
JD50441-10.1.2	Organics Prep	Tilak Patel	08/31/22 16:23	Extract from JD50441-10.1
JD50441-10.1.2	Tilak Patel	GC2G	08/31/22 16:23	Load on Instrument
JD50441-10.1.3	Ellen Dondeo	Organics Prep	09/02/22 07:17	Extract from JD50441-10.1

SGS Internal Chain of Custody

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY
Received: 08/22/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD50441-10.1.3	Organics Prep	Jack Hennigan	09/02/22 18:26	Extract from JD50441-10.1
JD50441-10.1.3	Jack Hennigan	Extract Storage	09/02/22 18:26	Return to Storage
JD50441-10.1.3	Extract Storage	Tilak Patel	09/02/22 21:11	Retrieve from Storage
JD50441-10.1.3	Tilak Patel	GCXX	09/02/22 21:11	Load on Instrument
JD50441-10.1.4	Noah Fite	TCLP	09/08/22 11:33	Leachate from JD50441-10.1
JD50441-10.1.4	TCLP	Noah Fite	09/08/22 14:19	Leachate from JD50441-10.1
JD50441-10.1.4	Noah Fite	Secured Storage	09/08/22 14:19	Return to Storage
JD50441-10.2	Emmanuel Hosein	Secured Storage	08/22/22 21:50	Return to Storage
JD50441-10.2	Secured Storage	Dave Hunkele	08/26/22 06:59	Retrieve from Storage
JD50441-10.2	Dave Hunkele	Secured Staging Area	08/26/22 06:59	Return to Storage
JD50441-10.2	Secured Staging Area	Sarah Fichot	08/26/22 09:43	Retrieve from Storage
JD50441-10.2	Sarah Fichot	Ellen Dondeo	08/26/22 10:36	Custody Transfer
JD50441-10.2	Ellen Dondeo	Secured Storage	08/26/22 20:04	Return to Storage
JD50441-10.2.1	Ellen Dondeo	Sarah Fichot	08/26/22 10:38	Aliquot from JD50441-10.2
JD50441-10.2.1	Sarah Fichot		09/06/22 16:06	Depleted
JD50441-10.2.2	Sarah Fichot	Metals Digestion	08/26/22 10:42	Digestate from JD50441-10.2.1
JD50441-10.2.2	Metals Digestion	Sarah Fichot	08/26/22 10:44	Digestate from JD50441-10.2.1
JD50441-10.2.2	Sarah Fichot	Metals Digestate Storage	08/26/22 10:44	Return to Storage
JD50441-10.2.3	Sarah Fichot	Metals Digestion	09/06/22 12:56	Digestate from JD50441-10.2.1
JD50441-10.3	Aleandi Rodriguez	Secured Storage	08/22/22 21:29	Return to Storage
JD50441-10.3	Emmanuel Hosein	Secured Storage	08/22/22 22:04	Return to Storage
Storage				
JD50441-10.3	Secured Storage	Benjamin Gaines	08/23/22 10:21	Retrieve from Storage
JD50441-10.3	Benjamin Gaines	Secured Staging Area	08/23/22 10:21	Return to Storage
JD50441-10.3	Secured Staging Area	Benjamin Gaines	08/23/22 10:22	Retrieve from Storage
JD50441-10.3	Benjamin Gaines	Secured Storage	08/23/22 16:24	Return to Storage
JD50441-10.6	Secured Storage	William Murawski	08/29/22 18:16	Retrieve from Storage
JD50441-10.6	William Murawski	GCMSI	08/29/22 18:16	Load on Instrument
JD50441-10.6	GCMSI	William Murawski	08/30/22 10:56	Unload from Instrument
JD50441-10.6	William Murawski		08/30/22 10:57	Depleted

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:27	MA52966-STD1	1		b=1.7345e-004,c=1.4400e-001,rho=0.9975765
13:28	MA52966-STD2	1		STDB
13:30	MA52966-STD3	1		STDC
13:31	MA52966-STD4	1		STDD
13:33	MA52966-STD5	1		STDE
13:34	MA52966-STD6	1		STDF
13:41	MA52966-STD7	1		STDE
13:42	MA52966-STD8	1		STDF
13:46	MA52966-STD9	1		STDB
13:49	ZZZZZZ	1		
13:51	MA52966-ICV1	1		
13:52	ZZZZZZ	1		
13:56	MA52966-ICB1	1		
13:59	ZZZZZZ	1		
14:01	MA52966-CCV1	1		
14:04	MA52966-CCB1	1		
14:06	MA52966-CRI1	1		
14:07	ZZZZZZ	1		
14:09	MP35065-B1	1		
14:10	MP35065-S1	1		
14:12	MP35065-S2	1		
14:13	JD51170-1	1		(sample used for QC only; not part of login JD50441R)
14:15	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:18	MA52966-CCV2	1		
14:19	MA52966-CCB2	1		
14:21	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:29	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:31	ZZZZZZ	1		
14:32	MA52966-CCV3	1		
14:34	MA52966-CCB3	1		
14:35	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:47	MA52966-CCV4	1		
14:48	MA52966-CCB4	1		
15:33	MP35069-MB1	1		
15:35	MP35069-B1	1		
15:36	MP35069-S1	1		
15:38	MP35069-S2	1		
15:39	JD51273-2	1		(sample used for QC only; not part of login JD50441R)
15:41	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:44	MA52966-CCV5	1		
15:46	MA52966-CCB5	1		
15:47	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:56	MA52966-CCV6	1		
15:57	MA52966-CCB6	1		
15:59	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:02	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:04	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:08	MA52966-CCV7	1		
16:09	MA52966-CCB7	1		
16:11	MP35070-MB1	1		
16:12	MP35070-B1	1		
16:14	MP35070-S1	1		
16:15	MP35070-S2	1		
16:17	JD51273-1A	1		(sample used for QC only; not part of login JD50441R)
16:19	ZZZZZZ	1		
16:20	JD50441-1AR	1		
16:22	JD50441-2AR	1		
16:23	MA52966-CCV8	1		
16:25	MA52966-CCB8	1		
16:26	JD50441-3AR	1		
16:28	JD50441-4AR	1		
16:29	JD50441-5AR	1		
16:31	JD50441-6AR	1		
16:32	JD50441-7AR	1		
16:33	JD50441-8AR	1		
16:35	JD50441-9AR	1		
16:36	JD50441-10AR	1		
---------->	Last reportable sample/prep for job JD50441R			
16:38	MA52966-CCV9	1		
16:39	MA52966-CCB9	1		
---------->	Last reportable CCB for job JD50441R			
16:44	MP35065-MB1	1		
16:50	MA52966-CCV10	1		
16:52	MA52966-CCB10	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
13:49	ZZZZZZ	1		
13:51	MA52966-ICV1	1	X	
13:52	ZZZZZZ	1		
13:56	MA52966-ICB1	1	X	
13:59	ZZZZZZ	1		
14:01	MA52966-CCV1	1	X	
14:04	MA52966-CCB1	1	X	
14:06	MA52966-CRI1	1	X	
14:07	ZZZZZZ	1		
14:09	MP35065-B1	1	X	
14:10	MP35065-S1	1	X	
14:12	MP35065-S2	1	X	
14:13	JD51170-1	1	X	(a)
14:15	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:18	MA52966-CCV2	1	X	
14:19	MA52966-CCB2	1	X	
14:21	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:29	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:32	MA52966-CCV3	1	X	
14:34	MA52966-CCB3	1	X	
14:35	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:43	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
14:44	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:47	MA52966-CCV4	1	X	
14:48	MA52966-CCB4	1	X	
15:33	MP35069-MB1	1	X	
15:35	MP35069-B1	1	X	
15:36	MP35069-S1	1	X	
15:38	MP35069-S2	1	X	
15:39	JD51273-2	1	X	(a)
15:41	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:44	MA52966-CCV5	1	X	
15:46	MA52966-CCB5	1	X	
15:47	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:56	MA52966-CCV6	1	X	
15:57	MA52966-CCB6	1	X	
15:59	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:08	MA52966-CCV7	1	X	
16:09	MA52966-CCB7	1	X	
16:11	MP35070-MB1	1	X	
16:12	MP35070-B1	1	X	
16:14	MP35070-S1	1	X	
16:15	MP35070-S2	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
Analyst: LM Run ID: MA52966
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg
16:17	JD51273-1A	1	X (a)
16:19	ZZZZZZ	1	
16:20	JD50441-1AR	1	X
16:22	JD50441-2AR	1	X
16:23	MA52966-CCV8	1	X
16:25	MA52966-CCB8	1	X
16:26	JD50441-3AR	1	X
16:28	JD50441-4AR	1	X
16:29	JD50441-5AR	1	X
16:31	JD50441-6AR	1	X
16:32	JD50441-7AR	1	X
16:33	JD50441-8AR	1	X
16:35	JD50441-9AR	1	X
16:36	JD50441-10AR	1	X
16:38	MA52966-CCV9	1	X
16:39	MA52966-CCB9	1	X
16:44	MP35065-MB1	1	X
16:50	MA52966-CCV10	1	X
16:52	MA52966-CCB10	1	X

(a) Sample used for QC only; not part of login JD50441R.

Element: Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA52966 Units: ug/l

Time:			13:56		14:04		14:19		14:34	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	0.0313	<0.20	-0.0329	<0.20	-0.130	<0.20	-0.112	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA52966 Units: ug/l

Time:			14:48		15:46		15:57		16:09	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.102	<0.20	-0.113	<0.20	-0.119	<0.20	-0.133	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA52966 Units: ug/l

Time:			16:25		16:39	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Mercury	0.20	.024	-0.110	<0.20	-0.149	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA52966 Units: ug/l

Time:		13:51			14:01			14:18	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.20	106.7	2.5	2.72	108.8	2.5	2.52	100.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA52966 Units: ug/l

Time:		14:32			14:47			15:44	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.57	102.8	2.5	2.54	101.6	2.5	2.41	96.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA52966 Units: ug/l

Time:		15:56			16:08			16:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.48	99.2	2.5	2.44	97.6	2.5	2.52	100.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA52966 Units: ug/l

Time:		16:38	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Mercury	2.5	2.46	98.4

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: H8091222W1.CSV Date Analyzed: 09/12/22 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA52966 Units: ug/l

Time:			14:06	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.144	72.0

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:05	MA52983-STD1	1		STDA
10:11	MA52983-STD2	1		STDB
10:16	MA52983-ICV1	1		
10:24	MA52983-ICB1	1		
10:36	MA52983-ICB2	1		
10:40	MA52983-ICCV1	1		
10:57	MA52983-CCB1	1		
11:06	MA52983-CRI1	1		
11:11	MA52983-CRID1	1		
11:17	MA52983-ICSA1	1		
11:22	MA52983-ICSAB1	1		
11:27	MA52983-HSTD1	1		
11:32	MA52983-HSTD2	1		
11:37	ZZZZZZ	1		
11:42	ZZZZZZ	1		
11:47	MA52983-CCV1	1		
11:52	MA52983-CCB2	1		
11:57	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:10	MA52983-CRID2	1		
12:15	MP35013-MB1	1		
12:20	ZZZZZZ	1		
12:26	MP35013-B1	1		
12:30	MP35013-S1	1		
12:35	MP35013-S2	1		
12:40	JD51249-3	1		(sample used for QC only; not part of login JD50441R)
12:45	MP35013-SD1	5		
12:50	MA52983-CCV2	1		
12:55	MA52983-CCB3	1		
13:00	ZZZZZZ	1		
13:05	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:20	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:41	MP35039-PS1	1		
13:46	MA52983-CCV3	1		
13:50	MA52983-CCB4	1		
13:56	MA52983-CRID3	1		
14:01	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:18	ZZZZZZ	5		
14:23	ZZZZZZ	5		
14:28	MP35045-MB1	1		
14:33	MA52983-CRI2	1		
14:38	MA52983-ICSA2	1		
14:43	MA52983-ICSAB2	1		
14:48	MA52983-CCV4	1		
14:53	MA52983-CCB5	1		
14:58	ZZZZZZ	1		
15:03	ZZZZZZ	10		
15:08	ZZZZZZ	10		
15:14	MP35044-SD1	5		
15:19	ZZZZZZ	2		
15:24	ZZZZZZ	10		
15:29	ZZZZZZ	1		
15:34	ZZZZZZ	5		
15:39	ZZZZZZ	5		
15:45	MA52983-CCV5	1		
15:49	MA52983-CCB6	1		
15:55	ZZZZZZ	5		
16:00	ZZZZZZ	5		
16:05	ZZZZZZ	1		
16:10	ZZZZZZ	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:15	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:36	ZZZZZZ	1		
16:41	MA52983-CCV6	1		
16:46	MA52983-CCB7	1		
16:51	MP35114-MB1	1		
16:56	MP35114-B1	1		
17:01	MP35114-S1	1		
17:07	MP35114-S2	1		
17:12	JD51592-1	1		(sample used for QC only; not part of login JD50441R)
17:17	MP35114-SD1	5		
17:22	ZZZZZZ	1		
17:27	MA52983-CCV7	1		
17:32	MA52983-CCB8	1		
17:37	MP35088-MB1	1		
17:42	MP35088-LB1	1		
17:47	MP35088-B1	1		
17:52	MP35088-LS1	1		
17:57	MP35088-S1	1		
18:02	MP35088-S2	1		
18:07	JD51273-1A	1		(sample used for QC only; not part of login JD50441R)
18:12	MP35088-SD1	5		
18:17	ZZZZZZ	1		
18:23	MA52983-CCV8	1		
18:28	MA52983-CCB9	1		
18:33	JD50441-1AR	1		
18:38	JD50441-2AR	1		
18:43	JD50441-3AR	1		
18:48	JD50441-4AR	1		
18:54	JD50441-5AR	1		
18:59	JD50441-6AR	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:04	JD50441-7AR	1		
19:09	JD50441-8AR	1		
19:15	JD50441-9AR	1		
19:20	MA52983-CCV9	1		
19:25	MA52983-CCB10	1		
19:30	JD50441-10AR	1		
---------->	Last reportable sample/prep for job JD50441R			
19:35	ZZZZZZ	1		
19:40	MP35087-B1	1		
19:45	MP35087-MB1	1		
19:50	MP35087-LB1	1		
19:56	MP35087-LS1	1		
20:00	MP35087-S1	1		
20:05	MP35087-S2	1		
20:10	JD49050-1U	1		(sample used for QC only; not part of login JD50441R)
20:15	MP35087-SD1	5		
20:20	MA52983-CCV10	1		
20:25	MA52983-CCB11	1		
---------->	Last reportable CCB for job JD50441R			
20:30	ZZZZZZ	1		
20:35	ZZZZZZ	1		
20:40	ZZZZZZ	1		
20:45	ZZZZZZ	1		
20:51	MP35062-B1	1		
20:55	MP35062-MB1	1		
21:01	MP35062-S1	1		
21:05	MP35062-S2	1		
21:10	JD51365-3	1		(sample used for QC only; not part of login JD50441R)
21:15	MP35062-SD1	5		
21:21	MA52983-CCV11	1		
21:25	MA52983-CCB12	1		
21:31	ZZZZZZ	1		
21:36	ZZZZZZ	1		
21:41	ZZZZZZ	1		
21:46	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:51	ZZZZZZ	1		
21:56	ZZZZZZ	1		
22:01	ZZZZZZ	1		
22:06	ZZZZZZ	1		
22:12	ZZZZZZ	1		
22:17	MA52983-CCV12	1		
22:22	MA52983-CCB13	1		
22:27	ZZZZZZ	1		
22:32	ZZZZZZ	1		
22:37	ZZZZZZ	1		
22:42	ZZZZZZ	1		
22:47	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:57	MA52983-CCV13	1		
23:02	MA52983-CCB14	1		
23:07	MP35094-MB1	1		
23:13	MP35094-B1	1		
23:17	MP35094-S1	1		
23:22	MP35094-S2	1		
23:27	JD51420-2	1		(sample used for QC only; not part of login JD50441R)
23:32	MP35094-SD1	5		
23:37	ZZZZZZ	1		
23:42	ZZZZZZ	1		
23:47	ZZZZZZ	1		
23:53	ZZZZZZ	1		
23:58	MA52983-CCV14	1		
00:03	MA52983-CCB15	1		
00:08	ZZZZZZ	1		
00:13	ZZZZZZ	1		
00:18	ZZZZZZ	1		
00:23	ZZZZZZ	1		
00:28	ZZZZZZ	1		
00:33	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:39	ZZZZZZ	1		
00:44	ZZZZZZ	1		
00:49	ZZZZZZ	1		
00:54	ZZZZZZ	1		
00:59	MA52983-CCV15	1		
01:04	MA52983-CCB16	1		
01:09	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:20	ZZZZZZ	1		
01:25	ZZZZZZ	1		
01:30	ZZZZZZ	1		
01:35	MP35116-MB1	1		
01:40	MP35116-LB1	1		
01:45	MP35116-B1	1		
01:50	MP35116-LS1	1		
01:55	MP35116-S1	1		
02:00	MA52983-CCV16	1		
02:05	MA52983-CCB17	1		
02:10	MP35116-S2	1		
02:15	JD50563-13R	1		(sample used for QC only; not part of login JD50441R)
02:20	MP35116-SD1	5		
02:25	ZZZZZZ	1		
02:30	ZZZZZZ	1		
02:35	ZZZZZZ	1		
02:40	ZZZZZZ	1		
02:45	ZZZZZZ	1		
02:50	ZZZZZZ	1		
02:56	ZZZZZZ	1		
03:01	MA52983-CCV17	1		
03:06	MA52983-CCB18	1		
03:11	MP35012-MB3	1		
03:16	MP35012-B3	1		
03:21	MP35012-S1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:26	MP35012-S2	1		
03:30	JD51246-1	1		(sample used for QC only; not part of login JD50441R)
03:35	MP35012-SD1	5		
03:41	ZZZZZZ	1		
03:46	ZZZZZZ	1		
03:51	ZZZZZZ	1		
03:56	MA52983-CCV18	1		
04:01	MA52983-CCB19	1		
04:06	ZZZZZZ	1		
04:11	ZZZZZZ	1		
04:16	ZZZZZZ	1		
04:21	ZZZZZZ	1		
04:27	ZZZZZZ	1		
04:32	ZZZZZZ	1		
04:37	MA52983-CCV19	1		
04:42	MA52983-CCB20	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Element: Dilution	As	Ba	Cd	Cr	Pb	Se	Ag	
10:16	MA52983-ICV1	1	X	X	X	X	X	X	X	
10:24	MA52983-ICB1	1								
10:36	MA52983-ICB2	1	X	X	X	X	X	X	X	
10:40	MA52983-ICCV1	1	X	X	X	X	X	X	X	
10:57	MA52983-CCB1	1	X	X	X	X	X	X	X	
11:06	MA52983-CRI1	1	X	X	X	X	X	X	X	
11:11	MA52983-CRID1	1								
11:17	MA52983-ICSA1	1	X	X	X	X	X	X	X	
11:22	MA52983-ICSAB1	1	X	X	X	X	X	X	X	
11:27	MA52983-HSTD1	1	X	X	X	X	X	X	X	
11:32	MA52983-HSTD2	1	X	X	X	X	X	X	X	
11:37	ZZZZZZ	1								
11:42	ZZZZZZ	1								
11:47	MA52983-CCV1	1	X	X	X	X	X	X	X	
11:52	MA52983-CCB2	1	X	X	X	X	X	X	X	
11:57	ZZZZZZ	1								
12:02	ZZZZZZ	1								
12:10	MA52983-CRID2	1	X	X	X	X	X	X	X	
12:15	MP35013-MB1	1	X		X	X	X	X	X	
12:20	ZZZZZZ	1								
12:26	MP35013-B1	1	X		X	X	X	X	X	
12:30	MP35013-S1	1	X		X	X	X	X	X	
12:35	MP35013-S2	1	X		X	X	X	X	X	
12:40	JD51249-3	1				X	X			(a)
12:45	MP35013-SD1	5	X		X	X	X	X	X	
12:50	MA52983-CCV2	1	X	X	X	X	X	X	X	
12:55	MA52983-CCB3	1	X	X	X	X	X	X	X	
13:00	ZZZZZZ	1								
13:05	ZZZZZZ	1								
13:10	ZZZZZZ	1								
13:15	ZZZZZZ	1								
13:20	ZZZZZZ	1								
13:25	ZZZZZZ	1								
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution	Element: As	Ba	Cd	Cr	Pb	Se	Ag
13:30	ZZZZZZ	1							
13:36	ZZZZZZ	1							
13:41	MP35039-PS1	1		X	X	X	X	X	X
13:46	MA52983-CCV3	1	X	X	X	X	X	X	X
13:50	MA52983-CCB4	1	X	X	X	X	X	X	X
13:56	MA52983-CRID3	1	X	X	X	X	X	X	X
14:01	ZZZZZZ	1							
14:12	ZZZZZZ	1							
14:18	ZZZZZZ	5							
14:23	ZZZZZZ	5							
14:28	MP35045-MB1	1					X		
14:33	MA52983-CRI2	1	X	X	X	X	X	X	X
14:38	MA52983-ICSA2	1	X	X	X	X	X	X	X
14:43	MA52983-ICSAB2	1	X	X	X	X	X	X	X
14:48	MA52983-CCV4	1	X	X	X	X	X	X	X
14:53	MA52983-CCB5	1	X	X	X	X	X	X	X
14:58	ZZZZZZ	1							
15:03	ZZZZZZ	10							
15:08	ZZZZZZ	10							
15:14	MP35044-SD1	5							
15:19	ZZZZZZ	2							
15:24	ZZZZZZ	10							
15:29	ZZZZZZ	1							
15:34	ZZZZZZ	5							
15:39	ZZZZZZ	5							
15:45	MA52983-CCV5	1	X	X	X	X	X	X	X
15:49	MA52983-CCB6	1	X	X	X	X	X	X	X
15:55	ZZZZZZ	5							
16:00	ZZZZZZ	5							
16:05	ZZZZZZ	1							
16:10	ZZZZZZ	5							
16:15	ZZZZZZ	1							
16:20	ZZZZZZ	1							
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Dilution	Element: As	Ba	Cd	Cr	Pb	Se	Ag	
16:26	ZZZZZZ	1								
16:31	ZZZZZZ	1								
16:36	ZZZZZZ	1								
16:41	MA52983-CCV6	1	X	X	X	X	X	X	X	
16:46	MA52983-CCB7	1	X	X	X	X	X	X	X	
16:51	MP35114-MB1	1								
16:56	MP35114-B1	1								
17:01	MP35114-S1	1								
17:07	MP35114-S2	1								
17:12	JD51592-1	1								(a)
17:17	MP35114-SD1	5								
17:22	ZZZZZZ	1								
17:27	MA52983-CCV7	1	X	X	X	X	X	X	X	
17:32	MA52983-CCB8	1	X	X	X	X	X	X	X	
17:37	MP35088-MB1	1	X	X	X	X	X	X	X	
17:42	MP35088-LB1	1								
17:47	MP35088-B1	1	X	X	X	X	X	X	X	
17:52	MP35088-LS1	1	X	X	X	X	X	X	X	
17:57	MP35088-S1	1	X	X	X	X	X	X	X	
18:02	MP35088-S2	1	X	X	X	X	X	X	X	
18:07	JD51273-1A	1	X	X	X	X	X	X	X	(a)
18:12	MP35088-SD1	5	X	X	X	X	X	X	X	
18:17	ZZZZZZ	1								
18:23	MA52983-CCV8	1	X	X	X	X	X	X	X	
18:28	MA52983-CCB9	1	X	X	X	X	X	X	X	
18:33	JD50441-1AR	1	X	X	X	X	X	X	X	
18:38	JD50441-2AR	1	X	X	X	X	X	X	X	
18:43	JD50441-3AR	1	X	X	X	X	X	X	X	
18:48	JD50441-4AR	1	X	X	X	X	X	X	X	
18:54	JD50441-5AR	1	X	X	X	X	X	X	X	
18:59	JD50441-6AR	1	X	X	X	X	X	X	X	
19:04	JD50441-7AR	1	X	X	X	X	X	X	X	
19:09	JD50441-8AR	1	X	X	X	X	X	X	X	
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Element: Dilution	As	Ba	Cd	Cr	Pb	Se	Ag	
19:15	JD50441-9AR	1	X	X	X	X	X	X	X	
19:20	MA52983-CCV9	1	X	X	X	X	X	X	X	
19:25	MA52983-CCB10	1	X	X	X	X	X	X	X	
19:30	JD50441-10AR	1	X	X	X	X	X	X	X	
19:35	ZZZZZZ	1								
19:40	MP35087-B1	1					X		X	
19:45	MP35087-MB1	1					X		X	
19:50	MP35087-LB1	1								
19:56	MP35087-LS1	1					X		X	
20:00	MP35087-S1	1					X		X	
20:05	MP35087-S2	1					X		X	
20:10	JD49050-1U	1							X	(a)
20:15	MP35087-SD1	5					X		X	
20:20	MA52983-CCV10	1	X	X	X	X	X	X	X	
20:25	MA52983-CCB11	1	X	X	X	X	X	X	X	
20:30	ZZZZZZ	1								
20:35	ZZZZZZ	1								
20:40	ZZZZZZ	1								
20:45	ZZZZZZ	1								
20:51	MP35062-B1	1		X	X	X	X	X	X	
20:55	MP35062-MB1	1		X	X	X	X	X	X	
21:01	MP35062-S1	1		X	X	X	X	X	X	
21:05	MP35062-S2	1		X	X	X	X	X	X	
21:10	JD51365-3	1				X				(a)
21:15	MP35062-SD1	5		X	X	X	X	X	X	
21:21	MA52983-CCV11	1	X	X	X	X	X	X	X	
21:25	MA52983-CCB12	1	X	X	X	X	X	X	X	
21:31	ZZZZZZ	1								
21:36	ZZZZZZ	1								
21:41	ZZZZZZ	1								
21:46	ZZZZZZ	1								
21:51	ZZZZZZ	1								
21:56	ZZZZZZ	1								
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Element: Dilution	As	Ba	Cd	Cr	Pb	Se	Ag	
22:01	ZZZZZZ	1								
22:06	ZZZZZZ	1								
22:12	ZZZZZZ	1								
22:17	MA52983-CCV12	1	X	X	X	X	X	X	X	
22:22	MA52983-CCB13	1	X	X	X	X	X	X	X	
22:27	ZZZZZZ	1								
22:32	ZZZZZZ	1								
22:37	ZZZZZZ	1								
22:42	ZZZZZZ	1								
22:47	ZZZZZZ	1								
22:52	ZZZZZZ	1								
22:57	MA52983-CCV13	1	X	X	X	X	X	X	X	
23:02	MA52983-CCB14	1	X	X	X	X	X	X	X	
23:07	MP35094-MB1	1	X		X		X			
23:13	MP35094-B1	1	X		X		X			
23:17	MP35094-S1	1	X		X		X			
23:22	MP35094-S2	1	X		X		X			
23:27	JD51420-2	1	X		X		X			(a)
23:32	MP35094-SD1	5	X		X		X			
23:37	ZZZZZZ	1								
23:42	ZZZZZZ	1								
23:47	ZZZZZZ	1								
23:53	ZZZZZZ	1								
23:58	MA52983-CCV14	1	X	X	X	X	X	X	X	
00:03	MA52983-CCB15	1	X	X	X	X	X	X	X	
00:08	ZZZZZZ	1								
00:13	ZZZZZZ	1								
00:18	ZZZZZZ	1								
00:23	ZZZZZZ	1								
00:28	ZZZZZZ	1								
00:33	ZZZZZZ	1								
00:39	ZZZZZZ	1								
00:44	ZZZZZZ	1								
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Element: Dilution	As	Ba	Cd	Cr	Pb	Se	Ag	
00:49	ZZZZZZ	1								
00:54	ZZZZZZ	1								
00:59	MA52983-CCV15	1	X	X	X	X	X	X	X	
01:04	MA52983-CCB16	1	X	X	X	X	X	X	X	
01:09	ZZZZZZ	1								
01:14	ZZZZZZ	1								
01:20	ZZZZZZ	1								
01:25	ZZZZZZ	1								
01:30	ZZZZZZ	1								
01:35	MP35116-MB1	1	X		X		X			
01:40	MP35116-LB1	1								
01:45	MP35116-B1	1	X		X		X			
01:50	MP35116-LS1	1	X		X		X			
01:55	MP35116-S1	1	X		X		X			
02:00	MA52983-CCV16	1	X	X	X	X	X	X	X	
02:05	MA52983-CCB17	1	X	X	X	X	X	X	X	
02:10	MP35116-S2	1	X		X		X			
02:15	JD50563-13R	1			X		X			(a)
02:20	MP35116-SD1	5	X		X		X			
02:25	ZZZZZZ	1								
02:30	ZZZZZZ	1								
02:35	ZZZZZZ	1								
02:40	ZZZZZZ	1								
02:45	ZZZZZZ	1								
02:50	ZZZZZZ	1								
02:56	ZZZZZZ	1								
03:01	MA52983-CCV17	1	X	X	X	X	X	X	X	
03:06	MA52983-CCB18	1	X	X	X	X	X	X	X	
03:11	MP35012-MB3	1	X	X	X	X	X	X	X	
03:16	MP35012-B3	1	X	X	X	X	X	X	X	
03:21	MP35012-S1	1								
03:26	MP35012-S2	1								
03:30	JD51246-1	1								(a)
		Element:	As	Ba	Cd	Cr	Pb	Se	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Element: Dilution	As	Ba	Cd	Cr	Pb	Se	Ag
03:35	MP35012-SD1	5	X	X	X	X	X	X	X
03:41	ZZZZZZ	1							
03:46	ZZZZZZ	1							
03:51	ZZZZZZ	1							
03:56	MA52983-CCV18	1	X	X	X	X	X	X	X
04:01	MA52983-CCB19	1	X	X	X	X	X	X	X
04:06	ZZZZZZ	1							
04:11	ZZZZZZ	1							
04:16	ZZZZZZ	1							
04:21	ZZZZZZ	1							
04:27	ZZZZZZ	1							
04:32	ZZZZZZ	1							
04:37	MA52983-CCV19	1	X	X	X	X	X	X	X
04:42	MA52983-CCB20	1	X	X	X	X	X	X	X

(a) Sample used for QC only; not part of login JD50441R.

Element:	As	Ba	Cd	Cr	Pb	Se	Ag

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:05	MA52983-STD1	1713 R	60638 R	10462 R	5021 R
10:11	MA52983-STD2	1627	57096	10332	4381
10:16	MA52983-ICV1	1673	58298	10475	4580
10:24	MA52983-ICB1	No results reported for the elements associated with this internal standard.			
10:36	MA52983-ICB2	1716	60411	10491	5018
10:40	MA52983-ICCV1	1680	58545	10504	4595
10:57	MA52983-CCB1	1718	60665	10527	5028
11:06	MA52983-CRI1	1712	60220	10513	4958
11:11	MA52983-CRID1	No results reported for the elements associated with this internal standard.			
11:17	MA52983-ICSA1	1564	54199	10411	4065
11:22	MA52983-ICSAB1	1573	54513	10423	4071
11:27	MA52983-HSTD1	1689	59850	10518	4884
11:32	MA52983-HSTD2	1580	55143	10286	4074
11:37	ZZZZZZ	1707	59678	10760	4725
11:42	ZZZZZZ	1596	57194	10428	4362
11:47	MA52983-CCV1	1689	58373	10480	4595
11:52	MA52983-CCB2	1734	60480	10480	5023
11:57	ZZZZZZ	1759	60986	10675	5139
12:02	ZZZZZZ	1749	60963	10691	5122
12:10	MA52983-CRID2	1725	60166	10514	5001
12:15	MP35013-MB1	1756	60990	10733	5130
12:20	ZZZZZZ	1746	60932	10699	5108
12:26	MP35013-B1	1702	58921	10716	4720
12:30	MP35013-S1	1696	58807	10906	4647
12:35	MP35013-S2	1698	58982	10908	4653
12:40	JD51249-3	1708	60285	10876	4918
12:45	MP35013-SD1	1708	59824	10590	4951
12:50	MA52983-CCV2	1678	58170	10503	4556
12:55	MA52983-CCB3	1729	60246	10597	5008
13:00	ZZZZZZ	1700	59604	10773	4793
13:05	ZZZZZZ	1672	58881	10597	4650
13:10	ZZZZZZ	1693	59882	10902	4784
13:15	ZZZZZZ	1724	60479	10908	4948

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:20	ZZZZZZ	1711	60117	10900	4829
13:25	ZZZZZZ	1729	60194	10850	4985
13:30	ZZZZZZ	1664	58933	10709	4645
13:36	ZZZZZZ	1722	60469	10761	5000
13:41	MP35039-PS1	1684	58676	10829	4605
13:46	MA52983-CCV3	1683	58130	10491	4571
13:50	MA52983-CCB4	1732	60433	10574	5028
13:56	MA52983-CRID3	1725	60347	10575	5010
14:01	ZZZZZZ	4842 !	999999 !	10600	12968 !
14:12	ZZZZZZ	1717	60051	10508	4938
14:18	ZZZZZZ	1684	58546	10427	4698
14:23	ZZZZZZ	1695	59048	10516	4745
14:28	MP35045-MB1	1735	59943	10528	5008
14:33	MA52983-CRI2	1716	59810	10444	4917
14:38	MA52983-ICSA2	1575	53774	10250	4065
14:43	MA52983-ICSAB2	1580	53995	10321	4075
14:48	MA52983-CCV4	1690	58129	10453	4577
14:53	MA52983-CCB5	1741	60173	10511	5018
14:58	ZZZZZZ	1750	60741	10751	5065
15:03	ZZZZZZ	1702	58897	10425	4791
15:08	ZZZZZZ	1688	58879	10453	4769
15:14	MP35044-SD1	1701	59099	10536	4807
15:19	ZZZZZZ	1516	53351	10129	3880
15:24	ZZZZZZ	1603	55489	10274	4211
15:29	ZZZZZZ	1742	60918	10767	5037
15:34	ZZZZZZ	1614	55958	10281	4250
15:39	ZZZZZZ	1624	56341	10371	4306
15:45	MA52983-CCV5	1695	58279	10572	4583
15:49	MA52983-CCB6	1741	60440	10593	5041
15:55	ZZZZZZ	1516	52923	10162	3848
16:00	ZZZZZZ	1618	56182	10351	4272
16:05	ZZZZZZ	1744	61093	10728	5046
16:10	ZZZZZZ	1697	59350	10603	4802

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:15	ZZZZZZ	1716	59565	10683	4867
16:20	ZZZZZZ	1632	57788	10545	4538
16:26	ZZZZZZ	1705	59517	10632	4947
16:31	ZZZZZZ	1720	60282	10540	5005
16:36	ZZZZZZ	1750	60492	10556	5034
16:41	MA52983-CCV6	1700	58291	10500	4588
16:46	MA52983-CCB7	1742	60552	10563	5036
16:51	MP35114-MB1	1745	61210	10754	5057
16:56	MP35114-B1	1737	60769	10731	5018
17:01	MP35114-S1	1692	59318	10649	4752
17:07	MP35114-S2	1694	59380	10648	4745
17:12	JD51592-1	1698	59327	10615	4761
17:17	MP35114-SD1	1733	60017	10559	4970
17:22	ZZZZZZ	1755	61057	10703	5059
17:27	MA52983-CCV7	1716	58321	10571	4612
17:32	MA52983-CCB8	1755	60514	10546	5049
17:37	MP35088-MB1	1756	61178	10738	5073
17:42	MP35088-LB1	1567	54631	10457	3993
17:47	MP35088-B1	1732	59538	10674	4757
17:52	MP35088-LS1	1604	55114	10458	3965
17:57	MP35088-S1	1546	54096	10309	3782
18:02	MP35088-S2	1549	54349	10407	3780
18:07	JD51273-1A	1529	54072	10336	3802
18:12	MP35088-SD1	1660	57478	10412	4380
18:17	ZZZZZZ	1521	53740	10184	3843
18:23	MA52983-CCV8	1720	58395	10465	4621
18:28	MA52983-CCB9	1768	60634	10559	5073
18:33	JD50441-1AR	1545	54291	10313	3919
18:38	JD50441-2AR	1538	54214	10289	3895
18:43	JD50441-3AR	1587	55090	10323	4055
18:48	JD50441-4AR	1570	54632	10387	3990
18:54	JD50441-5AR	1519	53784	10238	3863
18:59	JD50441-6AR	1526	54058	10282	3871

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:04	JD50441-7AR	1490	53288	10120	3787
19:09	JD50441-8AR	1552	54574	10303	3924
19:15	JD50441-9AR	1560	54522	10352	3970
19:20	MA52983-CCV9	1724	58998	10508	4645
19:25	MA52983-CCB10	1776	60907	10522	5092
19:30	JD50441-10AR	1570	54890	10358	3994
19:35	ZZZZZZ	1577	55166	10417	4036
19:40	MP35087-B1	1742	59948	10667	4766
19:45	MP35087-MB1	1768	61946	10658	5115
19:50	MP35087-LB1	1766	61418	10650	5115
19:56	MP35087-LS1	1739	59985	10655	4783
20:00	MP35087-S1	1728	59591	10656	4715
20:05	MP35087-S2	1727	59671	10619	4717
20:10	JD49050-1U	1756	60942	10612	4979
20:15	MP35087-SD1	1770	61303	10579	5082
20:20	MA52983-CCV10	1730	59089	10476	4665
20:25	MA52983-CCB11	1778	61421	10582	5113
20:30	ZZZZZZ	1753	61144	10686	5016
20:35	ZZZZZZ	1708	60200	10662	4814
20:40	ZZZZZZ	1751	61488	10856	4992
20:45	ZZZZZZ	1761	61953	10851	5054
20:51	MP35062-B1	1734	60901	10756	4816
20:55	MP35062-MB1	1766	62471	10828	5150
21:01	MP35062-S1	1657	59257	10558	4522
21:05	MP35062-S2	1652	59163	10558	4525
21:10	JD51365-3	1661	59856	10510	4650
21:15	MP35062-SD1	1727	61296	10502	4966
21:21	MA52983-CCV11	1712	59846	10531	4674
21:25	MA52983-CCB12	1752	62079	10515	5118
21:31	ZZZZZZ	1612	58361	10469	4252
21:36	ZZZZZZ	1692	60849	10580	4822
21:41	ZZZZZZ	1529	54908	10158	3951
21:46	ZZZZZZ	1591	58434	10304	4424

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:51	ZZZZZZ	1694	60761	10609	4821
21:56	ZZZZZZ	1660	59852	10512	4611
22:01	ZZZZZZ	1648	59861	10441	4656
22:06	ZZZZZZ	1684	60791	10580	4869
22:12	ZZZZZZ	1675	60635	10521	4766
22:17	MA52983-CCV12	1692	59825	10394	4657
22:22	MA52983-CCB13	1739	62116	10504	5115
22:27	ZZZZZZ	1680	60862	10607	4826
22:32	ZZZZZZ	1639	59643	10459	4621
22:37	ZZZZZZ	1517	54693	10107	3936
22:42	ZZZZZZ	1593	58374	10310	4431
22:47	ZZZZZZ	1644	59893	10481	4660
22:52	ZZZZZZ	1690	61187	10580	4875
22:57	MA52983-CCV13	1712	59516	10405	4659
23:02	MA52983-CCB14	1742	61689	10453	5096
23:07	MP35094-MB1	1743	62160	10633	5125
23:13	MP35094-B1	1710	60291	10607	4773
23:17	MP35094-S1	1693	59993	10573	4674
23:22	MP35094-S2	1688	59917	10569	4687
23:27	JD51420-2	1719	61150	10598	4945
23:32	MP35094-SD1	1731	61144	10459	5048
23:37	ZZZZZZ	1715	61714	10715	4984
23:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
23:47	ZZZZZZ	1684	60436	10574	4720
23:53	ZZZZZZ	1696	60902	10609	4844
23:58	MA52983-CCV14	1700	59520	10452	4668
00:03	MA52983-CCB15	1753	61703	10477	5119
00:08	ZZZZZZ	1709	60761	10550	4855
00:13	ZZZZZZ	1715	61329	10660	4933
00:18	ZZZZZZ	1726	61578	10625	4955
00:23	ZZZZZZ	1721	61329	10652	4932
00:28	ZZZZZZ	1682	60427	10518	4744
00:33	ZZZZZZ	1691	60590	10583	4810

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:39	ZZZZZZ	1695	60713	10568	4813
00:44	ZZZZZZ	1628	58992	10495	4539
00:49	ZZZZZZ	1652	59687	10541	4623
00:54	ZZZZZZ	1666	59901	10420	4683
00:59	MA52983-CCV15	1695	59854	10324	4675
01:04	MA52983-CCB16	1749	61929	10485	5133
01:09	ZZZZZZ	1718	61141	10579	4914
01:14	ZZZZZZ	1750	62847	10660	5141
01:20	ZZZZZZ	1702	60815	10524	4904
01:25	ZZZZZZ	1663	59884	10450	4705
01:30	ZZZZZZ	1625	58922	10446	4496
01:35	MP35116-MB1	1756	62272	10651	5153
01:40	MP35116-LB1	1756	62473	10699	5166
01:45	MP35116-B1	1724	60788	10679	4808
01:50	MP35116-LS1	1715	60656	10609	4802
01:55	MP35116-S1	1720	60999	10769	4816
02:00	MA52983-CCV16	1709	59660	10394	4684
02:05	MA52983-CCB17	1758	61675	10465	5128
02:10	MP35116-S2	1721	61133	10788	4815
02:15	JD50563-13R	1752	62592	10741	5128
02:20	MP35116-SD1	1761	62065	10480	5139
02:25	ZZZZZZ	1760	62444	10727	5116
02:30	ZZZZZZ	1745	61835	10608	5057
02:35	ZZZZZZ	1753	62141	10719	5089
02:40	ZZZZZZ	1761	61805	10727	5062
02:45	ZZZZZZ	1733	61674	10613	5026
02:50	ZZZZZZ	1754	62474	10766	5088
02:56	ZZZZZZ	1762	62384	10743	5095
03:01	MA52983-CCV17	1723	59652	10420	4708
03:06	MA52983-CCB18	1779	61959	10501	5171
03:11	MP35012-MB3	1800	62789	10703	5267
03:16	MP35012-B3	1749	60771	10681	4880
03:21	MP35012-S1	1739	60536	10702	4830

INTERNAL STANDARD SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
Analyst: MET Run ID: MA52983
Parameters: As,Ba,Cd,Cr,Pb,Se,Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:26	MP35012-S2	1743	60371	10625	4811
03:30	JD51246-1	1766	61784	10636	5099
03:35	MP35012-SD1	1752	61421	10479	5100
03:41	ZZZZZZ	1737	61398	10646	4951
03:46	ZZZZZZ	1747	61486	10595	4964
03:51	ZZZZZZ	1771	61881	10624	5078
03:56	MA52983-CCV18	1706	59183	10366	4653
04:01	MA52983-CCB19	1765	61812	10451	5132
04:06	ZZZZZZ	1763	61591	10642	4997
04:11	ZZZZZZ	1763	61705	10607	5077
04:16	ZZZZZZ	1746	60858	10414	4930
04:21	ZZZZZZ	1600	56389	10196	4193
04:27	ZZZZZZ	1796	62149	10610	5230
04:32	ZZZZZZ	1667	59319	10418	4622
04:37	MA52983-CCV19	1710	59528	10435	4657
04:42	MA52983-CCB20	1769	61760	10413	5148

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time: / Sample ID:			10:36 ICB2		10:57 CCB1		11:52 CCB2		12:55 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	6.0	2.5	anr							
Arsenic	3.0	2	-0.200	<3.0	0.800	<3.0	1.70	<3.0	0.100	<3.0
Barium	200	.4	-0.100	<200	0.00	<200	0.100	<200	-0.100	<200
Beryllium	1.0	.1	anr							
Bismuth	20	3.6								
Boron	100	1.9								
Cadmium	3.0	.4	-0.100	<3.0	-0.200	<3.0	-0.200	<3.0	0.00	<3.0
Calcium	5000	5.6	anr							
Cerium	100									
Chromium	10	.5	-0.500	<10	-0.200	<10	-0.200	<10	-0.300	<10
Cobalt	50	.5	anr							
Copper	10	1	anr							
Iron	100	11	anr							
Lead	3.0	1.2	0.100	<3.0	0.500	<3.0	-0.300	<3.0	0.00	<3.0
Lithium	50	2.3	anr							
Magnesium	5000	65	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.3	anr							
Phosphorus	50	4.1								
Potassium	10000	55	anr							
Selenium	10	3.5	-2.30	<10	-1.50	<10	-2.60	<10	-2.10	<10
Silicon	200	1.6								
Silver	10	1.1	-0.200	<10	-0.500	<10	-0.300	<10	-1.20	<10
Sodium	10000	11	anr							
Strontium	10	.1								
Sulfur	50	4.4								
Thallium	10	2.5	anr							
Tin	10	1								
Titanium	10	.4								
Tungsten	50	2.8								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time:			10:36		10:57		11:52		12:55	
Sample ID:			ICB2		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time:			13:50		14:53		15:49		16:46	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	6.0	2.5	anr							
Arsenic	3.0	2	2.10	<3.0	-0.100	<3.0	-0.700	<3.0	1.00	<3.0
Barium	200	.4	0.100	<200	0.100	<200	0.200	<200	0.00	<200
Beryllium	1.0	.1	anr							
Bismuth	20	3.6								
Boron	100	1.9								
Cadmium	3.0	.4	0.100	<3.0	0.100	<3.0	0.100	<3.0	-0.100	<3.0
Calcium	5000	5.6	anr							
Cerium	100									
Chromium	10	.5	0.300	<10	-0.200	<10	-0.200	<10	-0.400	<10
Cobalt	50	.5	anr							
Copper	10	1	anr							
Iron	100	11	anr							
Lead	3.0	1.2	-0.900	<3.0	-0.100	<3.0	-0.800	<3.0	-0.500	<3.0
Lithium	50	2.3	anr							
Magnesium	5000	65	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.3	anr							
Phosphorus	50	4.1								
Potassium	10000	55	anr							
Selenium	10	3.5	0.900	<10	-2.30	<10	0.300	<10	-3.60	<10
Silicon	200	1.6								
Silver	10	1.1	-0.700	<10	-1.00	<10	-0.800	<10	-1.10	<10
Sodium	10000	11	anr							
Strontium	10	.1								
Sulfur	50	4.4								
Thallium	10	2.5	anr							
Tin	10	1								
Titanium	10	.4								
Tungsten	50	2.8								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time:			13:50		14:53		15:49		16:46	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time: / Sample ID:			17:32 CCB8		18:28 CCB9		19:25 CCB10		20:25 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	6.0	2.5	anr							
Arsenic	3.0	2	0.00	<3.0	0.400	<3.0	1.30	<3.0	-1.90	<100
Barium	200	.4	0.200	<200	0.00	<200	0.400	<200	0.00	<200
Beryllium	1.0	.1	anr							
Bismuth	20	3.6								
Boron	100	1.9								
Cadmium	3.0	.4	0.300	<3.0	0.100	<3.0	0.100	<3.0	0.00	<4.0
Calcium	5000	5.6	anr							
Cerium	100									
Chromium	10	.5	-0.100	<10	-0.500	<10	-0.300	<10	0.200	<10
Cobalt	50	.5	anr							
Copper	10	1	anr							
Iron	100	11	anr							
Lead	3.0	1.2	0.00	<3.0	0.00	<3.0	-1.50	<3.0	0.00	<100
Lithium	50	2.3	anr							
Magnesium	5000	65	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.3	anr							
Phosphorus	50	4.1								
Potassium	10000	55	anr							
Selenium	10	3.5	-2.60	<10	-1.20	<10	-0.500	<10	-0.700	<100
Silicon	200	1.6								
Silver	10	1.1	-1.10	<10	-1.00	<10	-1.00	<10	-0.400	<10
Sodium	10000	11	anr							
Strontium	10	.1								
Sulfur	50	4.4								
Thallium	10	2.5	anr							
Tin	10	1								
Titanium	10	.4								
Tungsten	50	2.8								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA52983 Units: ug/l

Time:			17:32		18:28		19:25		20:25	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA52983 Units: ug/l

Time:		10:40	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	2000	1970	98.5
Barium	2000	1970	98.5
Beryllium	anr		
Bismuth			
Boron			
Cadmium	2000	2010	100.5
Calcium	anr		
Cerium			
Chromium	2000	1990	99.5
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	2000	2000	100.0
Lithium	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	2000	1970	98.5
Silicon			
Silver	250	244	97.6
Sodium	anr		
Strontium			
Sulfur			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA52983 Units: ug/l

Time:		10:40	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		10:16			11:47			12:50	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1990	99.5	2000	1960	98.0	2000	1970	98.5
Barium	2000	1970	98.5	2000	1970	98.5	2000	1950	97.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2010	100.5	2000	2000	100.0	2000	1990	99.5
Calcium	anr								
Cerium									
Chromium	2000	1990	99.5	2000	2010	100.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	1970	98.5	2000	1960	98.0	2000	1980	99.0
Silicon									
Silver	250	246	98.4	250	243	97.2	250	242	96.8
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		10:16			11:47			12:50	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		13:46			14:48			15:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1940	97.0	2000	1970	98.5	2000	1950	97.5
Barium	2000	1960	98.0	2000	1930	96.5	2000	1930	96.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	1980	99.0	2000	1960	98.0	2000	1960	98.0
Calcium	anr								
Cerium									
Chromium	2000	1990	99.5	2000	1990	99.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	1930	96.5	2000	1910	95.5	2000	1900	95.0
Silicon									
Silver	250	242	96.8	250	245	98.0	250	246	98.4
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		13:46			14:48			15:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		16:41			17:27			18:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	2000	1950	97.5	2000	1950	97.5	2000	1950	97.5
Barium	2000	1930	96.5	2000	1910	95.5	2000	1900	95.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	1950	97.5	2000	1940	97.0	2000	1940	97.0
Calcium	anr								
Cerium									
Chromium	2000	1990	99.5	2000	1980	99.0	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	1910	95.5	2000	1930	96.5	2000	1930	96.5
Silicon									
Silver	250	245	98.0	250	245	98.0	250	244	97.6
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		16:41			17:27			18:23	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		19:20			20:20	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	2000	1940	97.0	2000	1940	97.0
Barium	2000	1920	96.0	2000	1930	96.5
Beryllium	anr					
Bismuth						
Boron						
Cadmium	2000	1940	97.0	2000	1950	97.5
Calcium	anr					
Cerium						
Chromium	2000	1960	98.0	2000	1960	98.0
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	2000	2000	100.0	2000	1990	99.5
Lithium	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Phosphorus						
Potassium	anr					
Selenium	2000	1930	96.5	2000	1940	97.0
Silicon						
Silver	250	244	97.6	250	243	97.2
Sodium	anr					
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA52983 Units: ug/l

Time:		19:20			20:20	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA52983 Units: ug/l

Time:		11:27			11:32	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	8000	7710	96.4			
Barium	8000	8260	103.3			
Beryllium	anr					
Bismuth						
Boron						
Cadmium	8000	7790	97.4			
Calcium						
Cerium						
Chromium	8000	8450	105.6			
Cobalt	anr					
Copper	anr					
Iron						
Lead	8000	8240	103.0			
Lithium	anr					
Magnesium						
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Phosphorus						
Potassium						
Selenium	8000	8310	103.9			
Silicon						
Silver	625	584	93.4			
Sodium						
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA52983 Units: ug/l

Time:		11:27			11:32	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA52983 Units: ug/l

Time:				11:06		12:10		13:56	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	7.80	97.5	3.50	116.7	3.50	116.7
Barium	200		4.0	199	99.5	4.00	100.0	4.00	100.0
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.20	106.7	1.20	120.0	1.10	110.0
Calcium	5000	2000	1000	anr					
Cerium									
Chromium	10		2.0	10.0	100.0	2.00	100.0	2.10	105.0
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	3.00	100.0				
Lithium	50			anr					
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Phosphorus	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	8.40	84.0				
Silicon	200								
Silver	5.0		2.0	4.80	96.0				
Sodium	5000		1000	anr					
Strontium	10								
Sulfur	50								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA52983 Units: ug/l

Time:				11:06		12:10		13:56	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	anr					
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA52983 Units: ug/l

Time:				14:33	
Sample ID:	CRI	CRIA	CRID	CRI2	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	anr	
Antimony	6.0	20	3.0	anr	
Arsenic	8.0	20	3.0	8.60	107.5
Barium	200		4.0	191	95.5
Beryllium	2.0		1.0	anr	
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0	3.10	103.3
Calcium	5000	2000	1000	anr	
Cerium					
Chromium	10		2.0	9.60	96.0
Cobalt	50		3.0	anr	
Copper	10		2.0	anr	
Iron	100	500		anr	
Lead	3.0	20	2.5	2.50	83.3
Lithium	50			anr	
Magnesium	5000	2000	100	anr	
Manganese	15		3.0	anr	
Molybdenum	20			anr	
Nickel	10		4.0	anr	
Phosphorus	50				
Potassium	5000		2000	anr	
Selenium	10	20	5.0	10.3	103.0
Silicon	200				
Silver	5.0		2.0	4.20	84.0
Sodium	5000		1000	anr	
Strontium	10				
Sulfur	50				
Thallium	10		2.0	anr	
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0	anr	

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA52983 Units: ug/l

Time:				14:33	
Sample ID:	CRI	CRIA	CRID	CRI2	
Metal	True	True	True	Results	% Rec
Zinc	20		10	anr	
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD50441R
Account: EENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA52983 Units: ug/l

Time:			11:17		11:22		14:38		14:43	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	498000	99.6	490000	98.0	494000	98.8	484000	96.8
Antimony		1000	1.40		1020	102.0	1.80		1010	101.0
Arsenic		1000	-0.400		996	99.6	0.500		984	98.4
Barium		500	-9.80		457	91.4	-9.50		452	90.4
Beryllium		500	-0.300		467	93.4	-0.400		466	93.2
Bismuth		500	4.60		480	96.0	2.60		479	95.8
Boron		500	-5.50		464	92.8	-3.30		461	92.2
Cadmium		1000	-0.100		1010	101.0	-0.200		996	99.6
Calcium	400000	400000	379000	94.8	370000	92.5	376000	94.0	365000	91.3
Cerium			164*		642*		162*		642*	
Chromium		500	-3.00		459	91.8	-3.00		465	93.0
Cobalt		500	-0.800		465	93.0	-1.10		465	93.0
Copper		500	0.400		503	100.6	-1.10		499	99.8
Iron	200000	200000	212000	106.0	189000	94.5	212000	106.0	188000	94.0
Lead		1000	-2.40		913	91.3	2.80		912	91.2
Lithium		500	-1.20		503	100.6	-1.00		496	99.2
Magnesium	500000	500000	476000	95.2	481000	96.2	473000	94.6	477000	95.4
Manganese		500	2.40		484	96.8	2.10		487	97.4
Molybdenum		500	-1.50		462	92.4	-1.80		452	90.4
Nickel		1000	-1.20		898	89.8	-0.500		893	89.3
Phosphorus		500	19.0		435	87.0	19.3		458	91.6
Potassium			134		133		145		145	
Selenium		1000	-0.500		896	89.6	-6.00		864	86.4
Silicon		500	-3.80		594	118.8	-3.60		588	117.6
Silver		1000	2.50		999	99.9	0.700		996	99.6
Sodium			-33.1		-19.9		-36.1		-27.9	
Strontium		500	-1.30		458	91.6	-1.20		453	90.6
Sulfur		500	-14.5		437	87.4	-22.1		437	87.4
Thallium		1000	-3.50		885	88.5	-1.50		818	81.8
Tin		500	-4.50		450	90.0	-3.90		447	89.4
Titanium		500	-0.500		484	96.8	-0.500		484	96.8
Tungsten		500	6.40		467	93.4	7.70		462	92.4
Vanadium		500	0.200		479	95.8	0.400		481	96.2

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

File ID: SE091322M1.ICP Date Analyzed: 09/13/22 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA52983 Units: ug/l

Time:			11:17		11:22		14:38		14:43	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	3.50		944	94.4	2.90		937	93.7
Zirconium		500	-5.30		422	84.4	-4.70		422	84.4

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35070 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.00020	.000024	.000095	-0.000040	<0.00020

Associated samples MP35070: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35070
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 09/12/22

Metal	JD51273-1A Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.0	0.0020	0.0020	100.0	75-125

Associated samples MP35070: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35070 Methods: SW846 7470A
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	JD51273-1A Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.0019	0.0020	95.0	5.1	20

Associated samples MP35070: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35070
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 09/12/22

Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.0020	0.0020	100.0	80-120

Associated samples MP35070: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088
Matrix Type: LEACHATE

Methods: SW846 6010D
Units: mg/l

Prep Date: 09/12/22

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.20	.016	.046		
Antimony	0.10	.0025	.0047		
Arsenic	0.10	.002	.0028	0.00040	<0.10
Barium	0.20	.0004	.013	0.00010	<0.20
Beryllium	0.0020	.0001	.0005		
Bismuth	0.020	.0036	.004		
Boron	0.10	.0019	.063		
Cadmium	0.0040	.0004	.001	-0.00010	<0.0040
Calcium	5.0	.0056	.099		
Chromium	0.010	.0005	.002	-0.00010	<0.010
Cobalt	0.050	.0005	.0026		
Copper	0.010	.001	.0059		
Iron	0.10	.011	.032		
Lead	0.10	.0012	.0018	-0.00030	<0.10
Lithium	0.050	.0023	.0073		
Magnesium	5.0	.065	.14		
Manganese	0.015	.0002	.0014		
Molybdenum	0.020	.0004	.0036		
Nickel	0.010	.0003	.0017		
Phosphorus	0.050	.0041	.018		
Potassium	10	.055	.2		
Selenium	0.10	.0035	.0049	0.00080	<0.10
Silicon	0.20	.0016	.1		
Silver	0.010	.0011	.0019	-0.0014	<0.010
Sodium	10	.011	.57		
Strontium	0.010	.0001	.001		
Sulfur	0.050	.0044	.045		
Thallium	0.10	.0025	.0018		
Tin	0.010	.001	.0037		
Titanium	0.010	.0004	.0025		
Tungsten	0.050	.0028	.04		
Vanadium	0.050	.0006	.0018		
Zinc	0.020	.0001	.0069		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	RL	IDL	MDL	MB raw	final
Zirconium	0.010	.0004	.0041		

Associated samples MP35088: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	JD51273-1A Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	0.0052	2.0	2.0	99.7	75-125
Barium	0.76	2.6	2.0	92.0	75-125
Beryllium					
Bismuth					
Boron					
Cadmium	0.0013	2.0	2.0	99.9	75-125
Chromium	0.18	2.0	2.0	91.0	75-125
Cobalt					
Copper					
Iron					
Lead	0.0021	1.9	2.0	94.9	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium	0.0	2.0	2.0	100.0	75-125
Silver	0.0022	0.26	0.25	103.1	75-125
Strontium					
Sulfur					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc					
Zirconium					

Associated samples MP35088: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	JD51273-1A Original MS	Spikelot MPSPK2	% Rec	QC Limits

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

Metal	JD51273-1A Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.0052	2.0	2.0	99.7	0.0	20
Barium	0.76	2.6	2.0	92.0	0.0	20
Beryllium						
Bismuth						
Boron						
Cadmium	0.0013	2.0	2.0	99.9	0.0	20
Chromium	0.18	2.0	2.0	91.0	0.0	20
Cobalt						
Copper						
Iron						
Lead	0.0021	1.9	2.0	94.9	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium	0.0	2.0	2.0	100.0	0.0	20
Silver	0.0022	0.26	0.25	103.1	0.0	20
Strontium						
Sulfur						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						
Zirconium						

Associated samples MP35088: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: mg/l

Prep Date: 09/12/22

	JD51273-1A	Spikelot		MSD	QC
Metal	Original MSD	MPSPK2	% Rec	RPD	Limit

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088
Matrix Type: LEACHATE

Methods: SW846 6010D
Units: mg/l

Prep Date:			09/12/22				09/12/22	
Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	1.9	2.0	95.0	80-120	2.0	2.0	100.0	80-120
Barium	1.9	2.0	95.0	80-120	1.8	2.0	90.0	80-120
Beryllium								
Bismuth								
Boron								
Cadmium	1.9	2.0	95.0	80-120	1.9	2.0	95.0	80-120
Calcium								
Chromium	1.9	2.0	95.0	80-120	1.9	2.0	95.0	80-120
Cobalt								
Copper								
Iron								
Lead	1.9	2.0	95.0	80-120	1.9	2.0	95.0	80-120
Lithium								
Magnesium								
Manganese								
Molybdenum								
Nickel								
Phosphorus								
Potassium								
Selenium	1.9	2.0	95.0	80-120	2.0	2.0	100.0	80-120
Silicon								
Silver	0.24	0.25	96.0	80-120	0.25	0.25	100.0	80-120
Sodium								
Strontium								
Sulfur								
Thallium								
Tin								
Titanium								
Tungsten								
Vanadium								
Zinc								

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088
Matrix Type: LEACHATE

Methods: SW846 6010D
Units: mg/l

Prep Date: 09/12/22 09/12/22

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zirconium								

Associated samples MP35088: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088
Matrix Type: LEACHATE

Methods: SW846 6010D
Units: ug/l

Prep Date: 09/12/22

Metal	JD51273-1A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	5.20	0.00	100.0(a)	0-10
Barium	762	777	2.1	0-10
Beryllium				
Bismuth				
Boron				
Cadmium	1.30	0.00	100.0(a)	0-10
Calcium				
Chromium	175	185	5.5	0-10
Cobalt				
Copper				
Iron				
Lead	2.10	0.00	100.0(a)	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	2.20	0.00	100.0(a)	0-10
Strontium				
Sulfur				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD50441R
Account: EEENJF - Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

QC Batch ID: MP35088 Methods: SW846 6010D
Matrix Type: LEACHATE Units: ug/l

Prep Date: 09/12/22

	JD51273-1A		QC
Metal	Original SDL 1:5	%DIF	Limits

Associated samples MP35088: JD50441-1AR, JD50441-2AR, JD50441-3AR, JD50441-4AR, JD50441-5AR, JD50441-6AR, JD50441-7AR, JD50441-8AR, JD50441-9AR, JD50441-10AR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Instrument Detection Limits

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Instrument ID: LEEMANHG8 **Effective Date:** 01/12/21

Analyte	IDL ug/l
Mercury	.0237

The above applies to the following instrument runs:
MA52966

Instrument Detection Limits

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Instrument ID: SSTRACE5 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	15.9
Antimony	2.5
Arsenic	2
Barium	.4
Beryllium	.1
Bismuth	3.6
Boron	1.9
Cadmium	.4
Calcium	5.6
Chromium	.5
Cobalt	.5
Copper	1
Iron	11.1
Lead	1.2
Lithium	2.3
Magnesium	64.9
Manganese	.2
Molybdenum	.4
Nickel	.3
Phosphorus	4.1
Potassium	55.1
Selenium	3.5
Silicon	1.6
Silver	1.1
Sodium	11.1
Sulfur	4.4
Strontium	.1
Thallium	2.5
Tin	1
Titanium	.4
Tungsten	2.8
Vanadium	.6
Zinc	.1
Zirconium	.4

The above applies to the following instrument runs:
MA52983

Instrument Linear Ranges

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Instrument ID: LEEMANHG8 **Effective Date:** 03/10/17

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA52966

Instrument Linear Ranges

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Instrument ID: SSTRACE5 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA52983

Metals Analysis

Raw Data

MA52966

Method: SGS Operator: Admin Date of Analysis: 12 Sep 2022 13:26:53

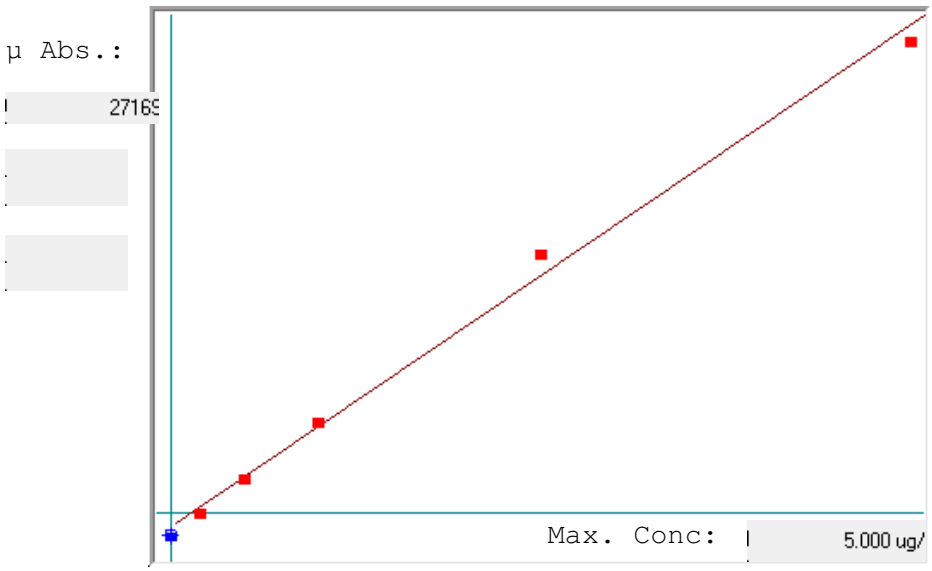
Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	12 Sep 2022 13:27:17	S	ug/l	-	-1303	1.000	1.000
STDB - 1	12 Sep 2022 13:28:40	S	ug/l	-	36	1.000	1.000
STDC - 1	12 Sep 2022 13:30:04	S	ug/l	-	2012	1.000	1.000
STDD - 1	12 Sep 2022 13:31:39	S	ug/l	-	5229	1.000	1.000
STDE - 1	12 Sep 2022 13:33:13	S	ug/l	-	15078	1.000	1.000
STDF - 1	12 Sep 2022 13:34:51	S	ug/l	-	27304	1.000	1.000
STDE - 1	12 Sep 2022 13:41:19	S	ug/l	-	14950	1.000	1.000
STDF - 1	12 Sep 2022 13:42:42	S	ug/l	-	27169	1.000	1.000
STDB - 1	12 Sep 2022 13:46:01	S	ug/l	-	4	1.000	1.000
SAMPLECONF - 1	12 Sep 2022 13:49:47	U	ug/l	-0.1389	-1631	1.000	1.000
ICV - 1	12 Sep 2022 13:51:13	C	ug/l	3.2000	17619	1.000	1.000
SAMPLECONF - 1	12 Sep 2022 13:52:37	C	ug/l	(L)-0.1155	-1496	1.000	1.000
ICB - 1	12 Sep 2022 13:56:16	C	ug/l	0.0313	-650	1.000	1.000
SAMPLECONF - 1	12 Sep 2022 13:59:30	C	ug/l	(H)2.7577	15069	1.000	1.000
CCV - 1	12 Sep 2022 14:01:41	C	ug/l	2.7195	14849	1.000	1.000
CCB - 1	12 Sep 2022 14:04:46	C	ug/l	-0.0329	-1020	1.000	1.000
CRI - 1	12 Sep 2022 14:06:09	C	ug/l	0.1440	0	1.000	1.000
SAMPLECONF - 1	12 Sep 2022 14:07:35	U	ug/l	-0.1155	-1496	1.000	1.000
MP35065-B1 - 1	12 Sep 2022 14:09:01	U	ug/l	2.1020	11289	1.000	1.000
MP35065-S1 - 1	12 Sep 2022 14:10:22	U	ug/l	2.2038	11876	1.000	1.000
MP35065-S2 - 1	12 Sep 2022 14:12:06	U	ug/l	2.1777	11725	1.000	1.000
JD51170-1 - 1	12 Sep 2022 14:13:50	U	ug/l	-0.1217	-1532	1.000	1.000
JD51170-2 - 1	12 Sep 2022 14:15:30	U	ug/l	-0.0144	-913	1.000	1.000
JD51170-5 - 1	12 Sep 2022 14:16:54	U	ug/l	-0.0041	-854	1.000	1.000
CCV - 1	12 Sep 2022 14:18:20	C	ug/l	2.5155	13673	1.000	1.000
CCB - 1	12 Sep 2022 14:19:44	C	ug/l	-0.1304	-1582	1.000	1.000
JD51153-1 - 1	12 Sep 2022 14:21:24	U	ug/l	-0.0053	-861	1.000	1.000
JD51153-5 - 1	12 Sep 2022 14:22:46	U	ug/l	-0.1167	-1503	1.000	1.000
JD51158-1 - 1	12 Sep 2022 14:24:11	U	ug/l	-0.0640	-1199	1.000	1.000
JD51204-6 - 1	12 Sep 2022 14:25:37	U	ug/l	-0.0836	-1312	1.000	1.000
JD51204-7 - 1	12 Sep 2022 14:27:01	U	ug/l	-0.0797	-1290	1.000	1.000
JD51204-8 - 1	12 Sep 2022 14:28:26	U	ug/l	-0.1174	-1507	1.000	1.000
JD51256-10 - 1	12 Sep 2022 14:29:51	U	ug/l	-0.0801	-1292	1.000	1.000
JD51256-11 - 1	12 Sep 2022 14:31:13	U	ug/l	-0.0863	-1328	1.000	1.000
CCV - 1	12 Sep 2022 14:32:40	C	ug/l	2.5709	13992	1.000	1.000
CCB - 1	12 Sep 2022 14:34:08	C	ug/l	-0.1124	-1478	1.000	1.000
JD51277-2 - 1	12 Sep 2022 14:35:53	U	ug/l	0.1345	-55	1.000	1.000
JD51218-1 - 1	12 Sep 2022 14:37:17	U	ug/l	-0.0978	-1394	1.000	1.000
JD51218-2 - 1	12 Sep 2022 14:38:49	U	ug/l	-0.0652	-1206	1.000	1.000
JD51218-3 - 1	12 Sep 2022 14:40:11	U	ug/l	-0.0654	-1207	1.000	1.000
JD51248-2 - 1	12 Sep 2022 14:41:36	U	ug/l	-0.0662	-1212	1.000	1.000
JD51248-3 - 1	12 Sep 2022 14:43:03	U	ug/l	-0.0908	-1354	1.000	1.000
JD51248-12 - 1	12 Sep 2022 14:44:28	U	ug/l	-0.0638	-1198	1.000	1.000
JD51248-13 - 1	12 Sep 2022 14:45:54	U	ug/l	-0.0626	-1191	1.000	1.000
CCV - 1	12 Sep 2022 14:47:20	C	ug/l	2.5429	13831	1.000	1.000
CCB - 1	12 Sep 2022 14:48:45	C	ug/l	-0.1021	-1419	1.000	1.000
MP35069-MB1 - 1	12 Sep 2022 15:33:40	U	ug/l	0.0189	-721	1.000	1.000
MP35069-B1 - 1	12 Sep 2022 15:35:11	U	ug/l	2.1397	11506	1.000	1.000
MP35069-S1 - 1	12 Sep 2022 15:36:37	U	ug/l	2.1959	11830	1.000	1.000
MP35069-S2 - 1	12 Sep 2022 15:38:21	U	ug/l	2.1121	11347	1.000	1.000
JD51273-2 - 1	12 Sep 2022 15:39:58	U	ug/l	-0.0647	-1203	1.000	1.000
JD51275-3 - 1	12 Sep 2022 15:41:42	U	ug/l	0.1029	-237	1.000	1.000
JD51275-5 - 1	12 Sep 2022 15:43:12	U	ug/l	0.1825	222	1.000	1.000
CCV - 1	12 Sep 2022 15:44:41	C	ug/l	2.4122	13077	1.000	1.000
CCB - 1	12 Sep 2022 15:46:09	C	ug/l	-0.1134	-1484	1.000	1.000
JD51275-7 - 1	12 Sep 2022 15:47:53	U	ug/l	0.0016	-821	1.000	1.000
JD51275-9 - 1	12 Sep 2022 15:49:18	U	ug/l	0.0597	-486	1.000	1.000
JD51289-2F - 1	12 Sep 2022 15:50:42	U	ug/l	-0.1018	-1417	1.000	1.000
JD51289-3F - 1	12 Sep 2022 15:52:07	U	ug/l	-0.0763	-1270	1.000	1.000
JD51289-4F - 1	12 Sep 2022 15:53:31	U	ug/l	-0.0773	-1276	1.000	1.000
JD51277-1 - 1	12 Sep 2022 15:54:58	U	ug/l	0.0524	-528	1.000	1.000
CCV - 1	12 Sep 2022 15:56:28	C	ug/l	2.4751	13440	1.000	1.000

MA52966

Method: SGS Operator: Admin Date of Analysis: 12 Sep 2022 13:26:53

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	12 Sep 2022 15:57:58	C	ug/l	-0.1191	-1517	1.000	1.000
JD51278-3 - 1	12 Sep 2022 15:59:38	U	ug/l	-0.0912	-1356	1.000	1.000
JD51278-5 - 1	12 Sep 2022 16:01:07	U	ug/l	0.1117	-186	1.000	1.000
JD51278-7 - 1	12 Sep 2022 16:02:31	U	ug/l	0.1417	-13	1.000	1.000
JD51278-9 - 1	12 Sep 2022 16:04:05	U	ug/l	-0.0572	-1160	1.000	1.000
JD51322-1 - 1	12 Sep 2022 16:05:32	U	ug/l	-0.0503	-1120	1.000	1.000
JD51324-2 - 1	12 Sep 2022 16:06:55	U	ug/l	-0.0461	-1096	1.000	1.000
CCV - 1	12 Sep 2022 16:08:21	C	ug/l	2.4422	13250	1.000	1.000
CCB - 1	12 Sep 2022 16:09:45	C	ug/l	-0.1332	-1598	1.000	1.000
MP35070-MB1 - 1	12 Sep 2022 16:11:23	U	ug/l	-0.0404	-1063	1.000	1.000
MP35070-B1 - 1	12 Sep 2022 16:12:50	U	ug/l	1.9546	10439	1.000	1.000
MP35070-S1 - 1	12 Sep 2022 16:14:14	U	ug/l	1.9789	10579	1.000	1.000
MP35070-S2 - 1	12 Sep 2022 16:15:56	U	ug/l	1.8786	10001	1.000	1.000
JD51273-1A - 1	12 Sep 2022 16:17:42	U	ug/l	-0.0990	-1401	1.000	1.000
JD50939-1RA - 1	12 Sep 2022 16:19:23	U	ug/l	-0.0334	-1023	1.000	1.000
JD50441-1AR - 1	12 Sep 2022 16:20:48	U	ug/l	-0.0806	-1295	1.000	1.000
JD50441-2AR - 1	12 Sep 2022 16:22:13	U	ug/l	-0.0562	-1154	1.000	1.000
CCV - 1	12 Sep 2022 16:23:41	C	ug/l	2.5183	13689	1.000	1.000
CCB - 1	12 Sep 2022 16:25:04	C	ug/l	-0.1104	-1467	1.000	1.000
JD50441-3AR - 1	12 Sep 2022 16:26:47	U	ug/l	-0.0782	-1281	1.000	1.000
JD50441-4AR - 1	12 Sep 2022 16:28:15	U	ug/l	-0.0475	-1104	1.000	1.000
JD50441-5AR - 1	12 Sep 2022 16:29:40	U	ug/l	-0.0463	-1097	1.000	1.000
JD50441-6AR - 1	12 Sep 2022 16:31:07	U	ug/l	-0.0608	-1181	1.000	1.000
JD50441-7AR - 1	12 Sep 2022 16:32:31	U	ug/l	-0.0211	-952	1.000	1.000
JD50441-8AR - 1	12 Sep 2022 16:33:57	U	ug/l	-0.0834	-1311	1.000	1.000
JD50441-9AR - 1	12 Sep 2022 16:35:24	U	ug/l	-0.0645	-1202	1.000	1.000
JD50441-10AR - 1	12 Sep 2022 16:36:52	U	ug/l	-0.0510	-1124	1.000	1.000
CCV - 1	12 Sep 2022 16:38:17	C	ug/l	2.4611	13359	1.000	1.000
CCB - 1	12 Sep 2022 16:39:44	C	ug/l	-0.1490	-1689	1.000	1.000
MP35065-MB1 - 1	12 Sep 2022 16:44:41	U	ug/l	-0.0213	-953	1.000	1.000
CCV - 1	12 Sep 2022 16:50:50	C	ug/l	2.6682	14553	1.000	1.000
CCB - 1	12 Sep 2022 16:52:44	C	ug/l	-0.0456	-1093	1.000	1.000

Linear



A= 0.0000e+000
B= 1.7345e-004
C= 1.4400e-001
Rho= 0.9975765
Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	-0.082	-0.082	-1303	0.000	-1303				
STDB	0.200	0.145	-0.055	4	0.0 %	4				
STDC	0.500	0.493	-0.007	2012	0.0 %	2012				
STDD	1.000	1.051	0.051	5229	0.0 %	5229				
STDE	2.500	2.737	0.237	14950	0.0 %	14950				
STDF	5.000	4.856	-0.144	27169	0.0 %	27169				

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 9/13/2022 10:05:07 Type: Cal
Method: SGS 070219(v210) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0013**	**-.0007**	**.0004**	**.0062**	**.0000**	**-.0008**	**.0039**	**.0004**
Stddev	.0000	.0002	.0001	.0001	.0005	.0001	.0003	.0001	.0003
%RSD	11.76	12.81	8.725	18.71	7.689	261.5	41.96	1.380	72.22
#1	-.0002	-.0014	-.0006	.0003	.0066	.0001	-.0005	.0040	.0002
#2	-.0002	-.0013	-.0007	.0005	.0057	.0000	-.0012	.0040	.0003
#3	-.0003	-.0011	-.0007	.0004	.0062	-.0000	-.0007	.0039	.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0003**	**-.0004**	**-.0000**	**.0043**	**.0000**	**.0020**	**-.0034**	**-.0001**	**.0001**
Stddev	.0001	.0001	.0000	.0001	.0001	.0004	.0004	.0001	.0000
%RSD	33.05	26.35	111.5	1.637	333.6	18.94	13.11	136.7	24.06
#1	.0004	-.0005	-.0001	.0044	-.0001	.0018	-.0030	.0000	.0000
#2	.0003	-.0005	-.0000	.0044	.0001	.0018	-.0035	-.0001	.0001
#3	.0002	-.0003	-.0000	.0043	.0001	.0025	-.0038	-.0002	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**.0042**	**-.0003**	**-.0023**	**.0002**	**-.0001**	**-.0005**	**.0006**	**.0037**
Stddev	.0001	.0008	.0001	.0001	.0002	.0002	.0002	.0001	.0002
%RSD	261.6	19.78	32.71	6.336	94.50	366.7	36.61	21.93	4.615
#1	.0002	.0033	-.0002	-.0022	.0003	.0001	-.0003	.0006	.0039
#2	-.0001	.0049	-.0003	-.0025	-.0000	-.0000	-.0004	.0004	.0035
#3	.0000	.0045	-.0002	-.0024	.0004	-.0003	-.0007	.0007	.0036

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0003**	**.0003**	**-.0000**	**.0000**	**-.0001**	**.0009**	**.0011**	**.0001**
Stddev	.0002	.0001	.0000	.0001	.0000	.0003	.0001	.0000
%RSD	62.73	46.57	60.72	584.8	68.74	28.46	10.33	9.135
#1	.0001	.0002	-.0000	-.0001	-.0001	.0009	.0011	.0001
#2	.0005	.0004	-.0001	.0000	-.0000	.0011	.0013	.0001
#3	.0003	.0002	-.0001	.0001	-.0001	.0006	.0010	.0001

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 9/13/2022 10:05:07 Type: Cal
Method: SGS 070219(v210) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5021.1**	**60638.**	**10462.**	**1713.4**
Stddev	6.8	145.	27.	4.7
%RSD	.13595	.23903	.25935	.27520
#1	5028.9	60756.	10432.	1718.8
#2	5016.0	60682.	10483.	1710.3
#3	5018.4	60476.	10473.	1711.0

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 9/13/2022 10:11:43 Type: Cal
Method: SGS 070219(v210) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0589**	**2.938**	**.4742**	**.8718**	**8.785**	**6.726**	**1.082**	**3.906**	**4.231**
Stddev	.0001	.002	.0005	.0002	.014	.003	.003	.002	.006
%RSD	.1903	.0528	.1118	.0225	.1568	.0457	.2683	.0555	.1347
#1	.0590	2.939	.4743	.8719	8.794	6.729	1.079	3.908	4.232
#2	.0590	2.936	.4737	.8719	8.792	6.725	1.084	3.906	4.236
#3	.0588	2.938	.4747	.8716	8.769	6.723	1.083	3.904	4.225

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1368**	**1.748**	**.3346**	**.9077**	**3.370**	**3.011**	**3.479**	**.4074**	**2.554**
Stddev	.0003	.002	.0007	.0017	.001	.006	.004	.0005	.003
%RSD	.1880	.1089	.1990	.1837	.0286	.1873	.1145	.1185	.1039
#1	.1366	1.750	.3353	.9058	3.371	3.015	3.484	.4068	2.557
#2	.1371	1.746	.3340	.9086	3.370	3.014	3.476	.4075	2.552
#3	.1366	1.747	.3344	.9087	3.369	3.005	3.477	.4078	2.554

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.175**	**9.213**	**1.300**	**.2309**	**.5383**	**.1485**	**.7215**	**.3452**	**2.357**
Stddev	.001	.019	.002	.0006	.0009	.0007	.0005	.0002	.000
%RSD	.0150	.2099	.1356	.2427	.1714	.4840	.0678	.0493	.0114
#1	3.176	9.220	1.302	.2309	.5392	.1493	.7209	.3450	2.357
#2	3.175	9.228	1.298	.2314	.5374	.1482	.7217	.3451	2.357
#3	3.175	9.191	1.300	.2303	.5383	.1480	.7218	.3454	2.358

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.6843**	**14.19**	**.4878**	**.1394**	**.5445**	**1.671**	**3.600**	**1.314**
Stddev	.0003	.02	.0003	.0007	.0004	.002	.007	.001
%RSD	.0479	.1397	.0601	.5210	.0748	.1365	.1853	.0612
#1	.6840	14.20	.4881	.1393	.5448	1.673	3.607	1.314
#2	.6847	14.20	.4876	.1388	.5441	1.670	3.595	1.314
#3	.6843	14.16	.4878	.1402	.5447	1.669	3.597	1.313

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 9/13/2022 10:11:43 Type: Cal
Method: SGS 070219(v210) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4381.3**	**57096.**	**10332.**	**1626.5**
Stddev	3.4	73.	5.	2.7
%RSD	.07748	.12698	.04595	.16773
#1	4377.4	57058.	10334.	1625.2
#2	4382.7	57180.	10327.	1624.6
#3	4383.8	57051.	10336.	1629.6

Zoom In Zoom Out

Sample Name: ICV 1 Acquired: 9/13/2022 10:16:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2463**	**38.68**	**1.991**	**2.033**	**1.973**	**1.995**	**2.024**	**39.04**	**2.010**
Stddev	.0016	.06	.002	.005	.000	.003	.002	.10	.003
%RSD	.6454	.1477	.1100	.2618	.0174	.1523	.0880	.2605	.1370
#1	.2471	38.64	1.994	2.039	1.973	1.993	2.022	38.95	2.013
#2	.2444	38.64	1.990	2.028	1.973	1.994	2.024	39.03	2.010
#3	.2472	38.74	1.990	2.034	1.973	1.999	2.026	39.15	2.008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**1.980**	**1.992**	**1.917**	**39.50**	**38.46**	**1.962**	**38.78**	**2.009**
Stddev	.005	.004	.002	.002	.10	.09	.005	.14	.005
%RSD	.2421	.1866	.1016	.0937	.2441	.2254	.2716	.3668	.2427
#1	2.014	1.978	1.994	1.916	39.42	38.41	1.968	38.63	2.014
#2	2.017	1.977	1.991	1.919	39.47	38.40	1.961	38.79	2.005
#3	2.024	1.984	1.990	1.916	39.61	38.56	1.958	38.91	2.007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**38.71**	**1.992**	**1.957**	**2.005**	**1.957**	**2.002**	**1.970**	F **5.398**
Stddev	.006	.08	.003	.005	.005	.005	.002	.002	.016
%RSD	.3192	.2153	.1502	.2819	.2561	.2628	.1190	.0974	.3009
#1	2.035	38.64	1.993	1.962	2.001	1.952	2.001	1.972	5.417
#2	2.022	38.68	1.989	1.958	2.004	1.957	2.000	1.968	5.390
#3	2.025	38.80	1.994	1.951	2.011	1.962	2.004	1.970	5.388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									5.000
Range									5.000%

Zoom In Zoom Out

Sample Name: ICV 1 Acquired: 9/13/2022 10:16:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**1.977**	**2.007**	**2.025**	**1.980**	**2.017**	**2.011**	**1.999**
Stddev	.004	.004	.001	.009	.004	.003	.005	.002
%RSD	.2139	.2173	.0476	.4551	.2014	.1339	.2427	.1018
#1	2.040	1.974	2.008	2.032	1.984	2.020	2.016	2.002
#2	2.031	1.974	2.008	2.015	1.976	2.016	2.007	1.999
#3	2.037	1.982	2.006	2.029	1.980	2.015	2.009	1.998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4579.6**	**58298.**	**10475.**	**1673.4**
Stddev	4.6	171.	59.	1.7
%RSD	.10039	.29336	.56612	.10081
#1	4582.7	58142.	10514.	1671.9
#2	4581.8	58481.	10503.	1673.0
#3	4574.3	58270.	10406.	1675.2

Zoom In Zoom Out

Sample Name: ICB 7 Acquired: 9/13/2022 10:24:17 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0055**	**.0009**	**.0030**	**.0000**	**.0001**	**-.0003**	**.0015**	**.0001**
Stddev	.0003	.0031	.0015	.0002	.0001	.0000	.0022	.0014	.0002
%RSD	35.30	55.93	162.6	7.628	2193.	64.51	642.5	94.79	196.3
#1	-.0005	-.0085	.0021	.0031	-.0001	.0000	.0009	.0020	-.0001
#2	-.0010	-.0055	.0015	.0031	-.0000	.0001	-.0028	.0026	.0001
#3	-.0006	-.0024	-.0008	.0027	.0001	.0001	.0009	-.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0001**	**-.0006**	**.0001**	**.0023**	**.0164**	**.0011**	**.0036**	**.0000**
Stddev	.0018	.0002	.0003	.0002	.0022	.0107	.0008	.0261	.0000
%RSD	305.1	297.2	56.13	346.6	93.81	65.19	73.60	735.5	44.30
#1	-.0015	.0002	-.0010	.0003	.0048	.0140	.0021	.0268	.0000
#2	-.0017	-.0003	-.0007	-.0000	.0009	.0071	.0007	-.0247	.0000
#3	.0015	-.0001	-.0003	-.0001	.0012	.0281	.0006	.0086	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0081**	**.0003**	**.0056**	**.0000**	**.0007**	**.0011**	**-.0002**	**.0019**
Stddev	.0002	.0024	.0002	.0010	.0010	.0057	.0007	.0049	.0013
%RSD	38.50	30.05	69.39	17.93	3335.	817.8	63.19	2487.	68.93
#1	.0006	.0096	.0005	.0046	-.0011	-.0029	.0018	.0040	.0018
#2	.0003	.0053	.0001	.0066	.0003	-.0023	.0013	-.0056	.0007
#3	.0007	.0093	.0002	.0056	.0009	.0073	.0004	.0010	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB 7 Acquired: 9/13/2022 10:24:17 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0001**	**.0000**	**-.0007**	**.0000**	**-.0001**	F **.0132**	**.0000**
Stddev	.0009	.0000	.0005	.0006	.0001	.0007	.0004	.0001
%RSD	90.59	33.09	18140.	76.60	7229.	498.2	2.745	699.4
#1	-.0018	.0001	-.0006	-.0005	.0001	.0001	.0128	-.0001
#2	-.0000	.0001	.0002	-.0003	.0000	-.0010	.0134	.0001
#3	-.0010	.0001	.0004	-.0014	-.0001	.0004	.0134	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0020	
Low Limit							-.0020	

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5011.4**	**60531.**	**10537.**	**1718.1**
Stddev	5.6	193.	38.	2.8
%RSD	.11177	.31826	.35696	.16521
#1	5012.4	60464.	10535.	1721.2
#2	5016.4	60749.	10575.	1717.5
#3	5005.4	60381.	10500.	1715.6

Zoom In Zoom Out

Sample Name: ICB 7 Acquired: 9/13/2022 10:36:17 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0049**	**-.0002**	**.0016**	**-.0001**	**.0000**	**-.0004**	**-.0026**	**-.0001**
Stddev	.0001	.0073	.0010	.0003	.0001	.0001	.0006	.0017	.0002
%RSD	66.63	150.2	480.3	18.08	127.5	283.1	161.4	65.04	188.2
#1	-.0003	-.0108	.0003	.0018	-.0001	-.0001	.0001	-.0015	-.0002
#2	-.0002	-.0071	.0004	.0017	.0000	.0001	-.0001	-.0018	.0001
#3	-.0001	.0033	-.0013	.0012	-.0002	.0000	-.0010	-.0045	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0001**	**-.0005**	**-.0001**	**.0004**	**-.0047**	**.0011**	**.0158**	**-.0000**
Stddev	.0026	.0002	.0003	.0004	.0004	.0082	.0009	.0107	.0000
%RSD	1296.	112.8	60.56	437.9	97.59	176.0	80.12	67.65	122.4
#1	.0010	.0000	-.0008	-.0005	.0000	.0010	.0018	.0280	-.0001
#2	.0016	.0003	-.0003	.0003	.0005	-.0010	.0001	.0084	-.0000
#3	-.0032	.0000	-.0003	-.0001	.0009	-.0141	.0014	.0109	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0018**	**-.0001**	**.0087**	**.0001**	**-.0066**	**-.0013**	**-.0023**	**.0008**
Stddev	.0001	.0056	.0002	.0018	.0016	.0045	.0009	.0017	.0017
%RSD	42.84	317.9	197.4	20.80	1409.	67.03	73.67	73.01	219.0
#1	.0004	-.0068	.0000	.0074	-.0005	-.0018	-.0023	-.0018	-.0008
#2	.0002	.0043	-.0000	.0107	-.0011	-.0105	-.0007	-.0041	.0005
#3	.0002	-.0028	-.0003	.0079	.0019	-.0077	-.0008	-.0009	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB 7 Acquired: 9/13/2022 10:36:17 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**.0000**	**-.0002**	**-.0012**	**-.0001**	**-.0005**	**-.0002**	**-.0000**
Stddev	.0007	.0000	.0002	.0010	.0003	.0005	.0002	.0001
%RSD	56.59	237.4	129.1	84.64	327.9	111.0	84.90	2140.
#1	-.0020	.0000	.0001	-.0014	-.0004	-.0011	-.0004	-.0001
#2	-.0007	.0000	-.0004	-.0001	.0000	-.0002	-.0003	-.0000
#3	-.0009	-.0000	-.0002	-.0021	.0001	-.0002	-.0000	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5017.9**	**60411.**	**10491.**	**1716.0**
Stddev	6.3	95.	64.	2.2
%RSD	.12502	.15700	.61337	.13035
#1	5019.4	60360.	10420.	1716.3
#2	5011.1	60520.	10546.	1713.6
#3	5023.4	60352.	10506.	1718.0

Zoom In Zoom Out

Sample Name: iccv 1 Acquired: 9/13/2022 10:40:51 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2438**	**39.09**	**1.966**	**1.997**	**1.973**	**1.996**	**1.983**	**39.48**	**2.005**
Stddev	.0010	.02	.009	.010	.003	.003	.009	.05	.008
%RSD	.4207	.0637	.4725	.4928	.1421	.1256	.4349	.1374	.3921
#1	.2437	39.08	1.975	2.004	1.969	1.995	1.981	39.55	2.003
#2	.2425	39.06	1.967	1.998	1.973	1.999	1.986	39.43	2.011
#3	.2450	39.11	1.953	1.982	1.973	1.998	1.973	39.48	1.994
#4	.2440	39.11	1.968	2.003	1.976	1.993	1.993	39.44	2.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**1.981**	**1.993**	**1.920**	**39.89**	**38.75**	**1.961**	**39.13**	**2.012**
Stddev	.005	.008	.005	.003	.06	.11	.001	.08	.001
%RSD	.2455	.4187	.2514	.1794	.1386	.2720	.0596	.2053	.0602
#1	2.008	1.988	1.993	1.923	39.90	38.64	1.963	39.05	2.011
#2	2.016	1.983	1.996	1.919	39.93	38.69	1.961	39.11	2.012
#3	2.005	1.969	1.986	1.923	39.92	38.80	1.960	39.24	2.011
#4	2.008	1.986	1.996	1.916	39.81	38.87	1.962	39.11	2.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv 1 Acquired: 9/13/2022 10:40:51 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.013**	**38.97**	**1.991**	F **1.866**	**2.000**	**1.934**	**1.978**	**1.971**	**4.887**
Stddev	.010	.10	.008	.008	.007	.015	.010	.008	.025
%RSD	.5037	.2515	.3947	.4309	.3693	.7562	.5130	.4122	.5125
#1	2.017	38.84	1.997	1.869	2.005	1.939	1.978	1.971	4.903
#2	2.017	38.97	1.992	1.870	2.004	1.946	1.983	1.970	4.892
#3	1.998	38.97	1.980	1.854	1.989	1.912	1.964	1.961	4.850
#4	2.019	39.08	1.995	1.871	2.002	1.937	1.987	1.981	4.902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				-5.000%					

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**1.974**	**1.992**	**2.023**	**1.987**	**2.008**	**2.020**	**1.982**
Stddev	.011	.004	.001	.015	.001	.009	.009	.002
%RSD	.5224	.1964	.0562	.7494	.0518	.4600	.4220	.0836
#1	2.022	1.968	1.992	2.028	1.985	2.010	2.025	1.984
#2	2.022	1.974	1.993	2.025	1.987	2.014	2.026	1.981
#3	2.000	1.977	1.990	2.001	1.986	1.995	2.008	1.983
#4	2.020	1.976	1.993	2.037	1.988	2.014	2.022	1.981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: iccv 1 Acquired: 9/13/2022 10:40:51 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4594.7	58545.	10504.	1679.5
Stddev	13.9	34.	25.	5.9
%RSD	.30218	.05848	.24039	.35124
#1	4587.8	58539.	10505.	1678.9
#2	4586.7	58504.	10515.	1675.4
#3	4615.5	58549.	10526.	1688.0
#4	4588.8	58587.	10468.	1675.6

Zoom In Zoom Out

Sample Name: ccb 7 Acquired: 9/13/2022 10:57:26 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0049**	**.0008**	**.0021**	**-.0000**	**.0000**	**-.0012**	**.0009**	**-.0002**
Stddev	.0003	.0031	.0013	.0006	.0001	.0000	.0006	.0035	.0003
%RSD	59.95	61.73	160.3	30.48	541.0	130.0	46.33	366.6	155.0
#1	-.0002	-.0028	.0000	.0017	.0000	.0000	-.0006	-.0027	.0001
#2	-.0004	-.0084	.0001	.0028	.0001	.0001	-.0017	.0042	-.0005
#3	-.0008	-.0036	.0023	.0017	-.0002	-.0000	-.0014	.0013	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**-.0002**	**-.0002**	**-.0002**	**.0023**	**-.0069**	**.0004**	**.0056**	**-.0000**
Stddev	.0030	.0002	.0006	.0002	.0027	.0148	.0009	.0100	.0000
%RSD	180.9	85.73	226.4	89.11	116.6	215.5	260.2	178.5	208.6
#1	-.0013	-.0001	.0003	-.0000	.0052	-.0075	-.0006	.0057	-.0000
#2	.0016	-.0001	-.0008	-.0001	.0000	-.0214	.0012	.0156	.0000
#3	.0047	-.0004	-.0003	-.0004	.0016	.0082	.0005	-.0044	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0024**	**-.0001**	**.0027**	**.0005**	**.0022**	**.0006**	**-.0015**	**.0003**
Stddev	.0003	.0141	.0000	.0030	.0011	.0037	.0004	.0018	.0017
%RSD	476.4	585.4	37.03	111.7	216.4	166.1	61.39	119.9	651.9
#1	.0004	-.0142	-.0001	.0035	.0007	-.0011	.0010	-.0018	.0008
#2	.0000	.0133	-.0001	.0051	-.0006	.0016	.0004	-.0032	.0016
#3	-.0002	-.0063	-.0001	-.0007	.0015	.0062	.0003	.0004	-.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb 7 Acquired: 9/13/2022 10:57:26 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0000**	**-.0001**	**.0001**	**.0002**	**-.0007**	**-.0001**	**.0000**
Stddev	.0002	.0001	.0002	.0021	.0005	.0006	.0002	.0001
%RSD	38.81	893.3	251.4	1651.	344.3	80.10	421.8	130.5
#1	-.0004	.0000	.0000	.0016	.0005	-.0012	.0001	.0000
#2	-.0009	.0000	-.0003	-.0022	.0004	-.0009	.0000	.0001
#3	-.0005	-.0001	.0001	.0011	-.0005	-.0001	-.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5028.3	60665.	10527.	1718.1
Stddev	2.7	89.	22.	.5
%RSD	.05442	.14751	.21133	.02643
#1	5025.3	60686.	10552.	1718.6
#2	5030.6	60567.	10509.	1717.9
#3	5029.1	60742.	10521.	1717.7

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/13/2022 11:06:49 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**.1971**	**.0078**	**.1003**	**.1988**	**.0022**	**.0195**	**5.186**	**.0032**
Stddev	.0005	.0076	.0007	.0014	.0003	.0000	.0010	.018	.0001
%RSD	9.684	3.843	8.974	1.415	.1680	1.374	5.270	.3576	1.733
#1	.0053	.1923	.0071	.0989	.1987	.0022	.0185	5.207	.0031
#2	.0048	.1932	.0085	.1003	.1986	.0022	.0193	5.178	.0032
#3	.0044	.2058	.0079	.1017	.1992	.0022	.0206	5.173	.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**.0482**	**.0100**	**.0099**	**.1079**	**4.935**	**.0538**	**5.119**	**.0153**
Stddev	.0016	.0003	.0002	.0001	.0015	.013	.0008	.047	.0000
%RSD	51.35	.6293	2.373	1.243	1.432	.2715	1.474	.9219	.1973
#1	.0017	.0479	.0098	.0098	.1084	4.946	.0546	5.171	.0153
#2	.0049	.0485	.0099	.0100	.1062	4.937	.0536	5.109	.0153
#3	.0029	.0481	.0102	.0100	.1092	4.920	.0530	5.078	.0153
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0211**	**4.950**	**.0098**	**.0483**	**.0030**	**.0437**	**.0052**	**.0084**	**.2019**
Stddev	.0002	.011	.0001	.0015	.0010	.0084	.0015	.0016	.0008
%RSD	1.144	.2249	1.155	3.166	32.44	19.17	29.40	19.43	.3732
#1	.0210	4.937	.0097	.0466	.0033	.0533	.0035	.0068	.2018
#2	.0210	4.957	.0097	.0492	.0037	.0379	.0055	.0101	.2027
#3	.0214	4.954	.0099	.0492	.0019	.0400	.0065	.0084	.2012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 9/13/2022 11:06:49 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0100**	**.0098**	**.0099**	**.0115**	**.0495**	**.0506**	**.0240**	**.0107**
Stddev	.0006	.0000	.0004	.0033	.0001	.0010	.0002	.0000
%RSD	6.482	.2474	3.759	28.36	.2410	1.907	.6321	.4069
#1	.0107	.0098	.0103	.0146	.0496	.0514	.0241	.0107
#2	.0094	.0098	.0097	.0081	.0494	.0509	.0238	.0107
#3	.0098	.0097	.0097	.0118	.0494	.0495	.0240	.0107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4958.4**	**60220.**	**10513.**	**1712.4**
Stddev	8.3	41.	61.	.4
%RSD	.16831	.06730	.58143	.02470
#1	4950.2	60221.	10443.	1712.2
#2	4966.9	60179.	10548.	1712.1
#3	4958.1	60260.	10549.	1712.8

Zoom In Zoom Out

Sample Name: CRID Acquired: 9/13/2022 11:11:58 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0004**	**.1011**	F **.0073**	F **-.0003**	**.0040**	**.0011**	F **-.0003**	**1.051**
Stddev	.0003	.0043	.0014	.0005	.0001	.0000	.0008	.005
%RSD	70.45	4.222	19.46	174.1	3.144	3.692	256.7	.4785
#1	-.0003	.1041	.0087	-.0001	.0039	.0011	-.0008	1.054
#2	-.0002	.1030	.0074	.0001	.0039	.0010	.0006	1.054
#3	-.0008	.0962	.0058	-.0009	.0041	.0011	-.0007	1.045
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	.0020		.0030	.0100			.0040	
Range	-30.00%		20.00%	-30.00%			-30.00%	

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0005**	**.0030**	**.0017**	F **.0001**	**.0049**	**2.014**	F **-.0001**
Stddev	.0001	.0011	.0002	.0005	.0003	.0017	.013	.0013
%RSD	13.10	204.6	6.800	28.93	203.3	35.38	.6386	1915.
#1	.0008	-.0007	.0028	.0012	.0001	.0044	2.024	-.0003
#2	.0009	.0013	.0031	.0022	-.0001	.0034	2.018	-.0012
#3	.0011	.0010	.0031	.0019	.0004	.0068	1.999	.0013
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail
Value					.0020			.0040
Range					-30.00%			-30.00%

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1234**	**.0031**	**-.0001**	**.9911**	**.0047**	F **.0080**	F **-.0007**	F **-.0025**
Stddev	.0076	.0000	.0004	.0055	.0001	.0011	.0008	.0028
%RSD	6.199	1.453	634.0	.5524	1.349	13.98	108.6	112.5
#1	.1178	.0031	.0004	.9936	.0046	.0084	.0000	-.0056
#2	.1321	.0031	-.0001	.9848	.0047	.0067	-.0015	-.0002
#3	.1203	.0032	-.0005	.9948	.0046	.0088	-.0007	-.0017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0025	.0040
Range						30.00%	-30.00%	-30.00%

Zoom In Zoom Out

Sample Name: CRID Acquired: 9/13/2022 11:11:58 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0009**	F **.0034**	**-.0032**	**-.0018**	**-.0001**	**.0001**	F **.0037**	**.0024**
Stddev	.0009	.0010	.0007	.0006	.0000	.0002	.0010	.0002
%RSD	109.4	29.53	22.22	33.29	66.96	304.6	26.79	6.881
#1	-.0015	.0046	-.0028	-.0025	-.0000	-.0001	.0043	.0022
#2	-.0013	.0032	-.0040	-.0015	-.0000	.0003	.0025	.0025
#3	.0002	.0026	-.0028	-.0015	-.0001	.0000	.0042	.0024
Check ?	Chk Fail	Chk Fail	None	None	None	None	Chk Fail	Chk Pass
Value	.0030	.0050					.0020	
Range	-30.00%	-30.00%					20.00%	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	F **-.0000**	**.0102**	F **-.0002**
Stddev	.0012	.0002	.0000
%RSD	4098.	1.920	17.30
#1	.0007	.0102	-.0003
#2	.0006	.0101	-.0002
#3	-.0014	.0105	-.0003
Check ?	Chk Fail	Chk Pass	Chk Fail
Value	.0040		.0040
Range	-30.00%		-30.00%

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5116.0**	**61121.**	**10704.**	**1751.9**
Stddev	7.5	84.	10.	1.3
%RSD	.14754	.13719	.09250	.07452
#1	5124.2	61195.	10713.	1752.3
#2	5109.4	61139.	10694.	1752.8
#3	5114.3	61030.	10705.	1750.4

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/13/2022 11:17:08 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**498.1**	**-.0004**	**-.0055**	**-.0098**	**-.0003**	**.0046**	**378.8**	**-.0001**
Stddev	.0003	.2	.0034	.0033	.0001	.0000	.0002	1.0	.0006
%RSD	10.84	.0329	809.4	59.25	.8654	2.603	4.577	.2701	461.6
#1	.0028	498.2	-.0027	-.0056	-.0097	-.0003	.0046	378.3	.0001
#2	.0025	498.2	-.0021	-.0022	-.0099	-.0003	.0044	380.0	.0003
#3	.0022	497.9	.0035	-.0088	-.0099	-.0003	.0048	378.3	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1643**	**-.0008**	**-.0030**	**.0004**	**212.1**	**.1340**	**-.0012**	**476.4**	**.0024**
Stddev	.0015	.0003	.0004	.0008	.5	.0181	.0004	.8	.0000
%RSD	.9313	35.87	13.51	197.0	.2262	13.48	32.41	.1593	1.142
#1	.1631	-.0009	-.0026	-.0005	211.6	.1185	-.0007	475.6	.0024
#2	.1637	-.0010	-.0034	.0006	212.0	.1298	-.0013	477.1	.0024
#3	.1660	-.0005	-.0029	.0011	212.6	.1538	-.0014	476.4	.0024
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**-.0331**	**-.0012**	**.0190**	**-.0024**	**-.0145**	**.0014**	**-.0005**	**-.0038**
Stddev	.0007	.0067	.0006	.0021	.0033	.0055	.0038	.0021	.0031
%RSD	44.97	20.30	53.14	10.99	138.7	37.73	276.9	405.6	81.60
#1	-.0022	-.0384	-.0018	.0214	-.0041	-.0082	-.0011	.0002	-.0073
#2	-.0008	-.0255	-.0005	.0175	-.0045	-.0182	-.0005	-.0028	-.0019
#3	-.0014	-.0353	-.0012	.0182	.0014	-.0171	.0058	.0011	-.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICSA Acquired: 9/13/2022 11:17:08 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0045**	**-.0013**	**-.0005**	**-.0035**	**.0002**	**.0064**	**.0035**	**-.0053**
Stddev	.0025	.0001	.0002	.0013	.0009	.0026	.0004	.0002
%RSD	55.87	4.794	40.21	38.56	548.3	41.07	10.87	4.365
#1	-.0023	-.0013	-.0005	-.0041	-.0004	.0078	.0039	-.0056
#2	-.0040	-.0012	-.0006	-.0044	-.0003	.0080	.0033	-.0051
#3	-.0072	-.0013	-.0003	-.0019	.0011	.0034	.0032	-.0053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4065.1**	**54199.**	**10411.**	**1563.5**
Stddev	3.5	17.	62.	2.8
%RSD	.08584	.03170	.59510	.18018
#1	4066.1	54201.	10462.	1562.6
#2	4068.0	54216.	10342.	1561.2
#3	4061.3	54182.	10428.	1566.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/13/2022 11:22:16 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9992**	**489.7**	**.9955**	**.4640**	**.4568**	**.4674**	**.4800**	**369.7**	**1.008**
Stddev	.0008	.9	.0035	.0027	.0006	.0010	.0021	.5	.002
%RSD	.0808	.1769	.3563	.5794	.1210	.2210	.4414	.1404	.2206
#1	.9984	490.7	.9924	.4636	.4574	.4680	.4776	370.3	1.007
#2	1.000	489.0	.9946	.4616	.4564	.4662	.4807	369.3	1.006
#3	.9992	489.6	.9994	.4669	.4565	.4680	.4816	369.5	1.010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6415**	**.4646**	**.4585**	**.5030**	**188.7**	**.1328**	**.5026**	**480.5**	**.4838**
Stddev	.0049	.0015	.0008	.0017	.2	.0217	.0008	.7	.0006
%RSD	.7652	.3312	.1680	.3346	.1270	16.31	.1685	.1383	.1240
#1	.6363	.4662	.4577	.5029	188.7	.1569	.5030	480.6	.4832
#2	.6423	.4631	.4585	.5047	188.4	.1151	.5016	479.8	.4844
#3	.6461	.4646	.4593	.5013	188.9	.1262	.5032	481.2	.4838
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4618**	**-.0199**	**.8983**	**.4353**	**.9133**	**.4374**	**1.016**	**.8956**	**.5935**
Stddev	.0009	.0022	.0026	.0029	.0036	.0104	.001	.0028	.0026
%RSD	.1888	10.99	.2931	.6565	.3950	2.371	.1402	.3115	.4464
#1	.4608	-.0224	.9011	.4384	.9175	.4374	1.015	.8966	.5905
#2	.4623	-.0191	.8979	.4327	.9111	.4478	1.017	.8925	.5955
#3	.4623	-.0183	.8959	.4349	.9113	.4270	1.016	.8978	.5945
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/13/2022 11:22:16 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4501**	**.4584**	**.4835**	**.8845**	**.4787**	**.4669**	**.9442**	**.4216**
Stddev	.0013	.0002	.0008	.0099	.0008	.0029	.0005	.0016
%RSD	.2895	.0511	.1750	1.116	.1581	.6201	.0531	.3891
#1	.4492	.4584	.4831	.8959	.4785	.4683	.9443	.4198
#2	.4495	.4581	.4830	.8788	.4795	.4635	.9437	.4219
#3	.4516	.4586	.4845	.8789	.4781	.4688	.9447	.4230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4070.7**	**54513.**	**10423.**	**1572.9**
Stddev	2.8	85.	22.	4.8
%RSD	.06806	.15504	.20827	.30747
#1	4067.5	54572.	10446.	1577.2
#2	4072.7	54551.	10419.	1574.0
#3	4071.8	54416.	10403.	1567.7

Zoom In Zoom Out

Sample Name: HSTD Acquired: 9/13/2022 11:27:09 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5842**	**.1707**	**7.709**	**8.400**	**8.264**	**8.447**	**7.882**	**-.1403**	**7.790**
Stddev	.0021	.0072	.010	.012	.110	.024	.017	.0053	.013
%RSD	.3665	4.196	.1264	.1375	1.335	.2842	.2119	3.811	.1650
#1	.5866	.1777	7.698	8.390	8.325	8.475	7.870	-.1407	7.776
#2	.5837	.1711	7.717	8.413	8.330	8.434	7.901	-.1454	7.801
#3	.5824	.1634	7.713	8.397	8.136	8.433	7.875	-.1347	7.793
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.807**	**8.215**	**8.452**	**8.208**	**.0265**	**.2043**	**7.974**	**-.2458**	**8.121**
Stddev	.015	.010	.002	.030	.0028	.0189	.015	.0273	.018
%RSD	.1924	.1191	.0285	.3663	10.44	9.249	.1823	11.10	.2175
#1	7.823	8.226	8.454	8.234	.0233	.1951	7.966	-.2476	8.141
#2	7.805	8.206	8.450	8.215	.0279	.1918	7.991	-.2722	8.111
#3	7.793	8.214	8.452	8.175	.0283	.2261	7.965	-.2177	8.110
Check ?	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.912**	**.1098**	**8.117**	**7.401**	**8.243**	**96.01**	**7.890**	**8.313**	**25.23**
Stddev	.008	.0060	.008	.025	.015	.05	.014	.006	.07
%RSD	.1028	5.483	.0972	.3377	.1828	.0563	.1782	.0757	.2580
#1	7.907	.1029	8.124	7.373	8.260	95.98	7.875	8.308	25.16
#2	7.922	.1131	8.108	7.416	8.237	96.08	7.903	8.310	25.29
#3	7.908	.1135	8.118	7.416	8.231	95.98	7.892	8.320	25.23
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 9/13/2022 11:27:09 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.062**	**8.133**	**7.757**	**8.480**	**8.305**	**7.947**	**8.543**	**7.670**
Stddev	.015	.147	.004	.044	.012	.010	.008	.012
%RSD	.1899	1.808	.0508	.5223	.1478	.1271	.0960	.1616
#1	8.053	8.298	7.760	8.532	8.313	7.938	8.551	7.681
#2	8.079	8.086	7.753	8.456	8.312	7.958	8.542	7.672
#3	8.053	8.016	7.758	8.454	8.291	7.945	8.535	7.656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4884.1**	**59850.**	**10518.**	**1689.1**
Stddev	3.1	95.	106.	3.3
%RSD	.06414	.15830	1.0049	.19676
#1	4882.8	59869.	10399.	1692.8
#2	4887.7	59934.	10554.	1686.5
#3	4881.9	59747.	10601.	1688.0

Zoom In Zoom Out

Sample Name: HSTD Acquired: 9/13/2022 11:32:19 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0188**	**300.0**	**.0013**	**.0044**	**-.0053**	**-.0001**	**.0031**	**201.9**	**-.0002**
Stddev	.0003	.3	.0037	.0008	.0002	.0001	.0003	.1	.0005
%RSD	1.656	.0958	293.6	17.06	3.450	106.5	8.406	.0538	279.8
#1	.0192	300.3	.0013	.0052	-.0055	-.0001	.0033	202.0	.0003
#2	.0188	299.7	-.0025	.0043	-.0051	-.0000	.0032	201.8	-.0003
#3	.0186	299.9	.0050	.0037	-.0052	-.0000	.0028	201.9	-.0006
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1291**	**-.0007**	**-.0017**	**.0010**	**197.0**	**204.6**	**.0052**	**302.4**	**.0024**
Stddev	.0013	.0003	.0006	.0003	.4	.3	.0008	.4	.0001
%RSD	.9864	46.69	35.07	31.71	.1786	.1380	15.24	.1180	3.965
#1	.1306	-.0004	-.0011	.0013	197.3	204.6	.0057	302.7	.0024
#2	.1284	-.0008	-.0022	.0010	196.6	204.3	.0057	302.0	.0025
#3	.1284	-.0011	-.0019	.0007	197.2	204.9	.0043	302.6	.0023
Check ?	None	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**199.1**	**-.0000**	**.0162**	**.0014**	**.0035**	**.0027**	**.0009**	**.0122**
Stddev	.0006	1.2	.0006	.0013	.0025	.0107	.0007	.0042	.0034
%RSD	100.8	.6034	2475.	7.757	172.4	307.5	27.15	453.5	28.24
#1	.0009	199.3	.0002	.0172	.0021	.0137	.0034	.0012	.0146
#2	-.0001	197.9	-.0006	.0148	.0035	-.0076	.0019	-.0034	.0137
#3	.0009	200.2	.0004	.0166	-.0013	.0043	.0028	.0050	.0082
Check ?	None	Chk Pass	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 9/13/2022 11:32:19 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0028**	**-.0004**	**.0002**	**.0011**	**.0004**	**.0035**	**.0125**	**-.0043**
Stddev	.0020	.0000	.0004	.0034	.0003	.0021	.0005	.0001
%RSD	72.93	9.827	192.0	300.5	57.40	61.62	3.772	3.378
#1	-.0046	-.0004	.0006	-.0005	.0007	.0059	.0119	-.0044
#2	-.0032	-.0003	.0000	.0050	.0002	.0017	.0128	-.0042
#3	-.0006	-.0004	-.0000	-.0012	.0004	.0028	.0127	-.0043
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4073.7**	**55143.**	**10286.**	**1580.1**
Stddev	9.8	44.	26.	6.5
%RSD	.24046	.07983	.25741	.40911
#1	4062.5	55181.	10306.	1575.0
#2	4080.9	55152.	10256.	1587.4
#3	4077.7	55095.	10297.	1578.0

Zoom In Zoom Out

Sample Name: mp35007-s1conf Acquired: 9/13/2022 11:37:36 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2353**	**24.80**	**1.938**	**1.923**	**1.906**	**1.938**	W **-.0181**	**25.03**
Stddev	.0008	.07	.003	.006	.003	.004	.0018	.09
%RSD	.3256	.2787	.1594	.3002	.1790	.1980	9.726	.3759
#1	.2360	24.84	1.942	1.926	1.906	1.939	-.0194	25.08
#2	.2354	24.85	1.936	1.916	1.909	1.941	-.0161	25.08
#3	.2345	24.73	1.938	1.926	1.902	1.934	-.0188	24.92

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.934**	**.1684**	**1.916**	**1.932**	**1.866**	**25.55**	**24.65**	**.0025**
Stddev	.008	.0016	.003	.002	.003	.07	.09	.0015
%RSD	.3936	.9624	.1323	.1166	.1757	.2861	.3447	59.58
#1	1.937	.1665	1.914	1.932	1.870	25.58	24.66	.0016
#2	1.925	.1694	1.916	1.934	1.863	25.60	24.73	.0016
#3	1.940	.1693	1.919	1.929	1.865	25.46	24.56	.0042

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.76**	**1.949**	**2.011**	**24.90**	**1.917**	**1.696**	**1.946**	F **-.1360**
Stddev	.04	.001	.007	.02	.001	.004	.003	.0047
%RSD	.1578	.0586	.3720	.0860	.0639	.2171	.1548	3.431
#1	24.73	1.948	2.015	24.90	1.915	1.694	1.944	-.1407
#2	24.80	1.949	2.002	24.92	1.917	1.694	1.949	-.1361
#3	24.74	1.950	2.016	24.88	1.918	1.701	1.944	-.1313

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.978**	**1.887**	**.1280**	**2.012**	**1.907**	**1.969**	**1.996**	**1.923**
Stddev	.003	.003	.0006	.005	.003	.002	.010	.001
%RSD	.1661	.1489	.4700	.2288	.1382	.0886	.4834	.0679
#1	1.981	1.890	.1277	2.014	1.910	1.969	2.006	1.922
#2	1.975	1.887	.1287	2.006	1.908	1.971	1.986	1.923
#3	1.976	1.884	.1276	2.015	1.905	1.967	1.996	1.924

Zoom In Zoom Out

Sample Name: mp35007-s1conf Acquired: 9/13/2022 11:37:36 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.962**	**1.948**	**1.956**
Stddev	.003	.007	.002
%RSD	.1568	.3813	.0823
#1	1.963	1.952	1.958
#2	1.959	1.940	1.956
#3	1.965	1.953	1.955

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4724.6**	**59678.**	**10760.**	**1707.0**
Stddev	5.8	10.	71.	3.3
%RSD	.12286	.01735	.65828	.19094
#1	4731.3	59674.	10773.	1706.8
#2	4721.7	59689.	10683.	1710.4
#3	4720.9	59670.	10823.	1703.9

Zoom In Zoom Out

Sample Name: jd51241-2conf Acquired: 9/13/2022 11:42:24 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**.2112**	**.0003**	**.0364**	**.3617**	**.0000**	**-.0018**	F **310.6**	**.0001**
Stddev	.0004	.0047	.0011	.0004	.0006	.0001	.0013	.9	.0001
%RSD	8.427	2.240	441.4	1.220	.1622	317.9	69.22	.2762	117.7
#1	.0052	.2067	.0005	.0359	.3624	.0001	-.0009	311.6	.0001
#2	.0047	.2161	.0013	.0368	.3613	.0000	-.0013	310.0	.0002
#3	.0044	.2107	-.0010	.0364	.3615	-.0001	-.0033	310.1	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0477**	**-.0003**	**1.142**	**.0059**	**.0995**	**51.41**	**.0186**	**4.767**	**.0072**
Stddev	.0028	.0004	.003	.0001	.0033	.14	.0009	.019	.0000
%RSD	5.785	139.3	.2809	1.423	3.301	.2817	4.657	.4056	.6564
#1	.0470	-.0001	1.145	.0060	.1022	51.55	.0196	4.754	.0072
#2	.0508	.0000	1.139	.0059	.0959	51.26	.0184	4.757	.0072
#3	.0454	-.0007	1.140	.0058	.1005	51.42	.0179	4.789	.0071

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1645**	**75.22**	**-.0008**	**.0214**	**.0007**	**29.51**	**.0011**	**-.0021**	**5.867**
Stddev	.0004	.20	.0003	.0018	.0016	.02	.0013	.0046	.022
%RSD	.2678	.2710	41.63	8.169	224.3	.0780	115.3	217.0	.3805
#1	.1650	75.41	-.0006	.0231	-.0005	29.51	.0024	-.0010	5.890
#2	.1644	75.00	-.0012	.0196	.0026	29.48	-.0002	-.0072	5.866
#3	.1641	75.25	-.0006	.0215	.0001	29.52	.0011	.0019	5.846

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0022**	**2.987**	**-.0001**	**.0023**	**.0080**	**.0166**	**.0033**	**.0007**
Stddev	.0011	.008	.0002	.0020	.0003	.0011	.0002	.0000
%RSD	48.51	.2616	122.4	86.64	3.485	6.654	5.792	6.242
#1	-.0029	2.994	-.0001	.0016	.0077	.0159	.0035	.0007
#2	-.0027	2.979	-.0003	.0007	.0081	.0179	.0031	.0008
#3	-.0010	2.987	.0000	.0045	.0082	.0161	.0033	.0008

Zoom In Zoom Out

Sample Name: jd51241-2conf Acquired: 9/13/2022 11:42:24 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4361.6**	**57194.**	**10428.**	**1596.1**
Stddev	2.3	140.	27.	6.4
%RSD	.05241	.24429	.25962	.40346
#1	4359.2	57043.	10400.	1589.9
#2	4361.8	57318.	10453.	1595.9
#3	4363.8	57223.	10431.	1602.7

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/13/2022 11:47:31 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2433**	**38.98**	**1.961**	**1.997**	**1.972**	**1.998**	**1.982**	**39.25**	**1.998**
Stddev	.0004	.19	.007	.004	.005	.004	.005	.21	.001
%RSD	.1587	.4847	.3409	.2027	.2709	.2245	.2397	.5415	.0628
#1	.2435	39.20	1.964	1.992	1.977	2.003	1.987	39.49	1.999
#2	.2435	38.86	1.966	2.000	1.966	1.994	1.983	39.12	1.999
#3	.2428	38.88	1.953	1.997	1.974	1.997	1.977	39.13	1.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**1.989**	**2.008**	**1.922**	**39.92**	**38.82**	**1.956**	**39.15**	**2.019**
Stddev	.007	.004	.004	.004	.13	.11	.006	.25	.001
%RSD	.3401	.1948	.1768	.2268	.3345	.2715	.3020	.6316	.0530
#1	2.008	1.993	2.004	1.923	40.05	38.90	1.962	39.43	2.018
#2	2.000	1.986	2.011	1.917	39.78	38.70	1.951	38.94	2.018
#3	2.013	1.988	2.008	1.926	39.92	38.86	1.953	39.09	2.020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.005**	**39.22**	**1.994**	**1.822**	**2.020**	**1.917**	**1.976**	**1.963**	**4.868**
Stddev	.005	.13	.000	.008	.001	.003	.000	.004	.004
%RSD	.2311	.3391	.0185	.4334	.0705	.1658	.0185	.1827	.0878
#1	2.009	39.30	1.994	1.815	2.021	1.921	1.976	1.966	4.871
#2	2.006	39.06	1.993	1.822	2.019	1.916	1.976	1.964	4.863
#3	2.000	39.28	1.993	1.831	2.020	1.915	1.976	1.959	4.869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 9/13/2022 11:47:31 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**1.976**	**1.995**	**1.976**	**1.987**	**2.006**	**2.019**	**1.985**
Stddev	.007	.005	.002	.033	.001	.003	.004	.003
%RSD	.3692	.2478	.0797	1.658	.0724	.1244	.2128	.1686
#1	2.014	1.980	1.994	2.010	1.988	2.003	2.019	1.988
#2	2.013	1.970	1.997	1.973	1.986	2.008	2.023	1.981
#3	2.001	1.977	1.995	1.945	1.986	2.005	2.014	1.986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4595.1**	**58373.**	**10480.**	**1689.3**
Stddev	6.3	100.	31.	2.4
%RSD	.13672	.17094	.30035	.14201
#1	4587.9	58392.	10444.	1688.3
#2	4597.9	58265.	10505.	1687.5
#3	4599.5	58462.	10489.	1692.0

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/13/2022 11:52:19 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0010**	**.0017**	**.0052**	**.0001**	**.0000**	**.0001**	**-.0014**	**-.0002**
Stddev	.0005	.0061	.0014	.0016	.0001	.0001	.0003	.0020	.0001
%RSD	183.1	627.7	83.50	31.08	118.8	280.2	226.6	141.6	85.28
#1	.0003	-.0064	.0021	.0057	.0002	.0001	.0002	-.0036	-.0003
#2	-.0007	-.0023	.0001	.0034	.0000	-.0000	-.0002	-.0008	-.0001
#3	-.0004	.0057	.0028	.0065	.0000	-.0000	.0004	.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**-.0000**	**-.0002**	**.0002**	**.0045**	**.0176**	**.0015**	**.0004**	**.0000**
Stddev	.0021	.0000	.0003	.0001	.0008	.0170	.0009	.0158	.0000
%RSD	155.0	153.4	171.3	37.78	17.63	96.65	57.06	3770.	339.9
#1	.0038	-.0001	.0001	.0002	.0036	.0160	.0023	.0107	-.0000
#2	-.0000	-.0000	-.0002	.0001	.0048	.0014	.0017	-.0178	.0000
#3	.0003	.0000	-.0004	.0002	.0051	.0353	.0006	.0083	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0156**	**.0001**	**.0097**	**-.0003**	**-.0013**	**.0002**	**-.0026**	**.0012**
Stddev	.0002	.0072	.0002	.0035	.0007	.0069	.0013	.0022	.0004
%RSD	23.59	46.04	140.3	35.89	238.5	517.9	593.8	86.92	37.29
#1	.0010	.0082	.0002	.0136	-.0007	.0053	.0008	-.0020	.0013
#2	.0006	.0225	.0002	.0081	-.0007	-.0009	.0012	-.0007	.0007
#3	.0007	.0160	-.0001	.0072	.0005	-.0085	-.0013	-.0050	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 9/13/2022 11:52:19 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**-.0003**	**-.0008**	**.0001**	**.0008**	**.0019**	**.0001**
Stddev	.0007	.0000	.0004	.0028	.0002	.0011	.0003	.0002
%RSD	1067.	186.9	178.8	340.3	303.3	131.8	14.52	147.5
#1	.0002	.0001	-.0006	-.0013	-.0001	-.0001	.0023	-.0001
#2	-.0007	.0000	.0003	-.0034	.0003	.0021	.0019	.0001
#3	.0007	-.0000	-.0004	.0022	.0000	.0005	.0017	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5022.9**	**60480.**	**10480.**	**1733.6**
Stddev	1.1	159.	29.	.9
%RSD	.02189	.26339	.27451	.04973
#1	5023.6	60451.	10506.	1733.5
#2	5023.4	60338.	10449.	1734.5
#3	5021.6	60652.	10484.	1732.7

Zoom In Zoom Out

Sample Name: p1conf Acquired: 9/13/2022 11:57:30 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0096**	**.0029**	**.0035**	**.0001**	**.0000**	**.0012**	**-.0049**	**-.0001**
Stddev	.0005	.0073	.0009	.0006	.0002	.0001	.0018	.0011	.0002
%RSD	143.5	76.23	32.74	16.89	140.0	211.0	153.7	22.72	165.4
#1	-.0010	-.0017	.0038	.0033	.0003	.0000	.0030	-.0037	.0001
#2	-.0002	-.0161	.0029	.0030	-.0001	.0001	-.0007	-.0058	-.0003
#3	.0000	-.0111	.0019	.0041	.0002	-.0000	.0013	-.0052	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**.0004**	**.0000**	**.0000**	**.0001**	**.0051**	**.0005**	**.0035**	**-.0000**
Stddev	.0038	.0002	.0004	.0004	.0006	.0024	.0016	.0303	.0000
%RSD	178.5	55.29	3055.	1385.	432.3	46.44	309.4	870.9	119.3
#1	.0064	.0001	-.0001	.0004	.0008	.0078	-.0001	-.0313	-.0001
#2	-.0010	.0005	-.0003	-.0004	-.0003	.0039	-.0007	.0178	.0000
#3	.0010	.0004	.0004	.0000	-.0001	.0035	.0023	.0239	-.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0183**	**.0006**	**.0089**	**.0001**	**-.0020**	**-.0009**	**-.0033**	**-.0025**
Stddev	.0005	.0071	.0002	.0017	.0014	.0044	.0025	.0032	.0011
%RSD	314.7	38.59	42.68	18.98	1611.	221.5	285.5	96.72	45.61
#1	-.0008	-.0108	.0004	.0074	.0005	-.0061	.0007	-.0063	-.0021
#2	.0002	-.0193	.0004	.0107	-.0014	.0027	.0004	-.0036	-.0016
#3	.0001	-.0248	.0008	.0085	.0012	-.0026	-.0038	.0001	-.0038

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**.0000**	**-.0001**	**-.0006**	**-.0001**	**.0002**	**-.0002**	**-.0004**
Stddev	.0019	.0001	.0004	.0017	.0002	.0011	.0002	.0003
%RSD	118.6	844.8	511.0	270.4	276.4	459.7	142.3	68.51
#1	-.0010	-.0001	.0002	-.0011	.0001	.0014	.0001	-.0004
#2	-.0001	-.0000	.0001	-.0020	-.0002	-.0007	-.0004	-.0001
#3	-.0037	.0001	-.0006	.0012	-.0000	.0000	-.0001	-.0006

Zoom In Zoom Out

Sample Name: p1conf Acquired: 9/13/2022 11:57:30 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5139.4**	**60986.**	**10675.**	**1759.4**
Stddev	2.7	111.	83.	4.5
%RSD	.05229	.18181	.78022	.25555
#1	5141.0	61085.	10753.	1764.3
#2	5140.8	61006.	10587.	1758.7
#3	5136.3	60866.	10685.	1755.3

Zoom In Zoom Out

Sample Name: p2conf Acquired: 9/13/2022 12:02:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0051**	**.0026**	**.0025**	**.0001**	**.0001**	**.0003**	**-.0025**	**-.0005**
Stddev	.0000	.0074	.0014	.0008	.0001	.0001	.0012	.0030	.0002
%RSD	9.488	146.4	53.61	32.46	152.1	121.0	350.5	118.5	40.05
#1	-.0006	.0024	.0036	.0020	.0000	-.0000	-.0007	.0009	-.0003
#2	-.0005	-.0052	.0033	.0035	.0002	.0001	.0001	-.0036	-.0007
#3	-.0005	-.0124	.0010	.0021	-.0000	.0001	.0016	-.0049	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0001**	**-.0004**	**.0003**	**.0013**	**-.0027**	**.0006**	**.0180**	**-.0000**
Stddev	.0016	.0001	.0004	.0003	.0004	.0232	.0006	.0242	.0000
%RSD	182.9	76.56	90.22	83.19	27.48	849.4	111.5	134.9	74.54
#1	.0013	.0002	-.0004	.0006	.0009	-.0002	.0000	-.0091	-.0001
#2	-.0009	.0000	-.0009	.0002	.0016	-.0271	.0004	.0255	-.0001
#3	.0022	.0002	-.0001	.0001	.0014	.0191	.0013	.0375	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0235**	**.0007**	**.0098**	**.0011**	**-.0015**	**.0005**	**-.0032**	**-.0038**
Stddev	.0005	.0025	.0001	.0032	.0005	.0056	.0016	.0005	.0009
%RSD	115.0	10.64	19.37	32.11	42.52	368.5	305.6	15.57	24.02
#1	-.0005	-.0207	.0007	.0063	.0008	-.0077	-.0008	-.0034	-.0036
#2	.0001	-.0242	.0006	.0108	.0016	.0000	.0001	-.0027	-.0047
#3	-.0009	-.0256	.0009	.0124	.0008	.0031	.0022	-.0037	-.0030

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0030**	**.0000**	**.0001**	**.0019**	**.0001**	**-.0002**	**-.0006**	**-.0004**
Stddev	.0013	.0000	.0003	.0003	.0001	.0005	.0002	.0000
%RSD	43.57	876.2	197.2	13.43	120.6	199.8	28.68	5.243
#1	-.0024	.0000	.0005	.0019	.0003	-.0008	-.0005	-.0003
#2	-.0045	-.0000	-.0000	.0022	.0001	-.0001	-.0008	-.0004
#3	-.0021	.0000	-.0000	.0017	.0000	.0001	-.0006	-.0004

Zoom In Zoom Out

Sample Name: p2conf Acquired: 9/13/2022 12:02:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5122.3**	**60963.**	**10691.**	**1749.2**
Stddev	6.6	236.	36.	4.1
%RSD	.12798	.38742	.33240	.23227
#1	5118.0	61223.	10731.	1744.7
#2	5119.1	60903.	10665.	1750.4
#3	5129.9	60762.	10676.	1752.6

Zoom In Zoom Out

Sample Name: crid Acquired: 9/13/2022 12:10:36 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0005**	**.0907**	**.0035**	F **.0024**	**.0040**	**.0010**	F **-.0004**	**1.029**
Stddev	.0006	.0012	.0011	.0004	.0001	.0000	.0016	.009
%RSD	115.9	1.366	30.49	15.11	2.509	3.262	431.0	.8582
#1	-.0012	.0905	.0025	.0021	.0040	.0010	-.0022	1.038
#2	-.0002	.0921	.0035	.0024	.0040	.0010	.0003	1.021
#3	-.0001	.0897	.0046	.0028	.0039	.0009	.0008	1.029
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	.0020			.0100			.0040	
Range	-30.00%			-30.00%			-30.00%	

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0004**	**.0028**	**.0020**	F **-.0001**	**.0012**	**1.981**	F **.0015**
Stddev	.0003	.0040	.0003	.0003	.0003	.0012	.024	.0012
%RSD	22.88	1144.	10.92	17.39	352.3	102.0	1.223	78.61
#1	.0012	-.0040	.0025	.0019	.0003	.0010	2.005	.0010
#2	.0014	.0040	.0029	.0024	-.0004	.0025	1.956	.0029
#3	.0009	.0011	.0030	.0017	-.0001	.0001	1.981	.0007
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail
Value					.0020			.0040
Range					-30.00%			-30.00%

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1076**	**.0030**	**.0002**	**.9863**	**.0038**	F **.0087**	F **-.0010**	F **-.0054**
Stddev	.0423	.0000	.0002	.0060	.0002	.0032	.0004	.0021
%RSD	39.36	.2138	81.14	.6114	6.437	36.95	39.82	38.62
#1	.0837	.0030	.0000	.9901	.0036	.0057	-.0015	-.0059
#2	.0826	.0030	.0003	.9794	.0037	.0083	-.0007	-.0031
#3	.1564	.0030	.0003	.9896	.0041	.0121	-.0010	-.0072
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0025	.0040
Range						30.00%	-30.00%	-30.00%

Zoom In Zoom Out

Sample Name: crid Acquired: 9/13/2022 12:10:36 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0012**	F **.0033**	**-.0017**	**-.0015**	**-.0000**	**-.0001**	**.0019**	**.0023**
Stddev	.0023	.0019	.0005	.0006	.0000	.0002	.0016	.0002
%RSD	196.3	56.23	32.12	40.32	1426.	253.9	85.49	8.392
#1	-.0019	.0031	-.0018	-.0008	.0000	.0000	.0033	.0021
#2	.0014	.0016	-.0011	-.0020	-.0000	.0001	.0023	.0023
#3	-.0031	.0053	-.0022	-.0016	.0000	-.0004	.0001	.0024
Check ?	Chk Fail	Chk Fail	None	None	None	None	Chk Pass	Chk Pass
Value	.0030	.0050						
Range	-30.00%	-30.00%						

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	F **-.0001**	**.0096**	F **-.0000**
Stddev	.0008	.0001	.0002
%RSD	588.9	1.557	3268.
#1	.0008	.0097	-.0002
#2	-.0008	.0096	.0002
#3	-.0003	.0095	-.0000
Check ?	Chk Fail	Chk Pass	Chk Fail
Value	.0040		.0040
Range	-30.00%		-30.00%

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5001.0**	**60166.**	**10514.**	**1724.6**
Stddev	3.1	208.	51.	2.0
%RSD	.06241	.34576	.48270	.11499
#1	4997.5	60105.	10475.	1723.5
#2	5003.1	59996.	10571.	1726.9
#3	5002.6	60398.	10495.	1723.5

Zoom In Zoom Out

Sample Name: mp35013-mb1 1 Acquired: 9/13/2022 12:15:47 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0048**	**.0021**	**.0018**	**.0002**	**.0001**	**-.0005**	**.0132**	**-.0004**
Stddev	.0004	.0036	.0008	.0006	.0001	.0000	.0012	.0013	.0002
%RSD	88.90	74.79	38.12	31.23	50.49	18.59	267.2	9.930	66.59
#1	.0000	-.0016	.0028	.0018	.0001	.0001	.0004	.0143	-.0001
#2	-.0006	-.0087	.0022	.0012	.0003	.0001	-.0019	.0135	-.0006
#3	-.0007	-.0042	.0012	.0023	.0001	.0000	.0001	.0117	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0001**	**.0031**	**.0003**	**.0232**	**.0163**	**.0003**	**.0175**	**.0003**
Stddev	.0026	.0003	.0002	.0004	.0030	.0137	.0011	.0203	.0000
%RSD	513.6	270.1	5.872	130.9	12.69	84.02	341.9	115.9	13.96
#1	.0035	-.0003	.0030	.0006	.0251	.0052	-.0009	-.0000	.0004
#2	-.0004	.0004	.0033	.0006	.0198	.0121	.0010	.0129	.0003
#3	-.0015	.0002	.0030	-.0002	.0247	.0317	.0009	.0397	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0124**	**.0009**	**.0112**	**-.0009**	**.0011**	**-.0009**	**-.0015**	**.0053**
Stddev	.0001	.0044	.0003	.0022	.0021	.0059	.0006	.0019	.0010
%RSD	81.01	35.64	28.53	19.99	234.9	543.9	73.75	126.4	17.99
#1	-.0004	-.0081	.0010	.0087	-.0014	-.0057	-.0015	.0001	.0045
#2	-.0001	-.0121	.0006	.0121	-.0027	.0040	-.0010	-.0011	.0051
#3	-.0001	-.0169	.0011	.0129	.0014	.0051	-.0002	-.0035	.0064

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0022**	**.0001**	**-.0004**	**.0004**	**.0003**	**-.0005**	**.0002**	**-.0004**
Stddev	.0011	.0001	.0002	.0008	.0001	.0002	.0003	.0002
%RSD	49.64	75.33	52.63	198.8	43.68	34.39	110.0	51.52
#1	-.0014	.0001	-.0002	.0012	.0004	-.0006	.0005	-.0002
#2	-.0035	.0001	-.0004	.0005	.0001	-.0003	.0003	-.0004
#3	-.0017	.0000	-.0006	-.0004	.0003	-.0007	-.0001	-.0007

Zoom In Zoom Out

Sample Name: mp35013-mb1 1 Acquired: 9/13/2022 12:15:47 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5129.7**	**60990.**	**10733.**	**1755.6**
Stddev	3.0	28.	25.	1.6
%RSD	.05883	.04522	.23339	.09027
#1	5132.5	60958.	10746.	1755.6
#2	5130.1	61009.	10748.	1757.1
#3	5126.5	61003.	10704.	1754.0

Zoom In Zoom Out

Sample Name: mp35046-mb1conf Acquired: 9/13/2022 12:20:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0056**	**.0024**	**.0015**	**.0007**	**-.0000**	**.0006**	**.0065**	**-.0001**
Stddev	.0002	.0042	.0006	.0010	.0001	.0001	.0005	.0010	.0001
%RSD	16.08	75.40	25.08	62.71	13.35	984.5	99.10	15.79	81.69
#1	-.0008	-.0013	.0027	.0026	.0007	-.0001	.0012	.0077	-.0000
#2	-.0010	-.0058	.0029	.0007	.0006	-.0000	.0001	.0061	-.0001
#3	-.0011	-.0097	.0017	.0014	.0008	.0001	.0004	.0058	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0002**	**-.0002**	**.0006**	**.8905**	**-.0119**	**.0000**	**.0150**	**.0023**
Stddev	.0014	.0002	.0002	.0003	.0026	.0202	.0002	.0106	.0000
%RSD	96.52	136.2	140.0	61.35	.2906	169.1	524.5	70.44	.4802
#1	.0009	.0004	-.0000	.0004	.8884	-.0202	-.0002	.0030	.0022
#2	.0030	.0001	-.0001	.0003	.8934	.0111	.0002	.0227	.0023
#3	.0004	.0000	-.0004	.0009	.8899	-.0267	.0002	.0194	.0023

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0099**	**.0006**	**.0089**	**-.0009**	**.0024**	**-.0012**	**-.0030**	**.0121**
Stddev	.0002	.0019	.0005	.0030	.0018	.0037	.0004	.0043	.0008
%RSD	44.48	19.55	72.09	34.10	205.2	150.1	30.55	141.5	6.906
#1	-.0003	-.0104	.0001	.0054	.0008	-.0018	-.0008	-.0047	.0115
#2	-.0005	-.0115	.0011	.0105	-.0029	.0049	-.0014	-.0063	.0131
#3	-.0008	-.0077	.0007	.0108	-.0006	.0042	-.0013	.0018	.0118

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0001**	**-.0000**	**.0000**	**.0004**	**.0003**	**.0218**	**-.0002**
Stddev	.0008	.0001	.0007	.0015	.0003	.0008	.0003	.0002
%RSD	114.0	129.2	6948.	14440.	69.85	280.1	1.167	97.14
#1	-.0006	.0002	.0006	.0004	.0001	-.0006	.0216	.0000
#2	.0000	.0001	.0001	.0013	.0004	.0009	.0218	-.0004
#3	-.0015	-.0000	-.0008	-.0016	.0007	.0005	.0221	-.0003

Zoom In Zoom Out

Sample Name: mp35046-mb1conf Acquired: 9/13/2022 12:20:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5107.6**	**60932.**	**10699.**	**1746.1**
Stddev	6.5	20.	64.	4.5
%RSD	.12636	.03207	.60204	.25952
#1	5111.7	60952.	10761.	1751.2
#2	5111.0	60933.	10633.	1745.0
#3	5100.2	60912.	10702.	1742.3

Zoom In Zoom Out

Sample Name: mp35013-b1 Acquired: 9/13/2022 12:26:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0830**	**26.72**	**2.129**	**2.148**	**2.002**	**2.020**	W **-.0179**	**26.82**
Stddev	.0009	.05	.004	.001	.003	.004	.0005	.06
%RSD	1.052	.1775	.1987	.0314	.1561	.1977	2.779	.2124
#1	.0832	26.76	2.129	2.148	2.003	2.020	-.0173	26.88
#2	.0838	26.74	2.133	2.148	2.005	2.023	-.0181	26.81
#3	.0821	26.67	2.124	2.147	1.999	2.015	-.0183	26.77

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.124**	**.1802**	**2.046**	**2.058**	**1.973**	**27.33**	**26.45**	**-.0003**
Stddev	.004	.0037	.003	.003	.002	.04	.06	.0006
%RSD	.1778	2.076	.1648	.1675	.0791	.1508	.2218	239.2
#1	2.128	.1772	2.043	2.061	1.971	27.37	26.43	-.0003
#2	2.123	.1790	2.050	2.056	1.974	27.34	26.52	-.0009
#3	2.121	.1843	2.047	2.055	1.973	27.29	26.40	.0004

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.58**	**2.083**	**2.106**	**26.79**	**2.050**	**1.929**	**2.114**	F **-.1360**
Stddev	.05	.004	.003	.04	.003	.011	.004	.0062
%RSD	.1753	.1804	.1431	.1582	.1539	.5576	.2099	4.596
#1	26.63	2.087	2.109	26.80	2.050	1.938	2.119	-.1380
#2	26.58	2.082	2.107	26.83	2.052	1.917	2.110	-.1290
#3	26.53	2.080	2.103	26.75	2.046	1.933	2.115	-.1410

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.178**	**2.213**	**.1110**	**2.169**	**2.000**	**2.068**	**2.211**	**2.043**
Stddev	.005	.007	.0013	.003	.003	.003	.003	.003
%RSD	.2440	.3248	1.178	.1433	.1387	.1466	.1286	.1531
#1	2.184	2.211	.1100	2.168	2.000	2.070	2.215	2.046
#2	2.178	2.207	.1125	2.167	2.003	2.070	2.209	2.043
#3	2.174	2.221	.1104	2.173	1.998	2.065	2.210	2.040

Zoom In Zoom Out

Sample Name: mp35013-b1 Acquired: 9/13/2022 12:26:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**2.030**	**2.126**	**2.058**
Stddev	.001	.007	.004
%RSD	.0467	.3225	.1897
#1	2.030	2.130	2.062
#2	2.029	2.130	2.057
#3	2.031	2.118	2.054

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4720.0**	**58921.**	**10716.**	**1701.9**
Stddev	.7	20.	8.	2.9
%RSD	.01475	.03313	.07630	.16949
#1	4720.0	58907.	10725.	1698.7
#2	4719.3	58943.	10710.	1702.9
#3	4720.7	58913.	10714.	1704.2

Zoom In Zoom Out

Sample Name: mp35013-s1 Acquired: 9/13/2022 12:30:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0841**	**27.78**	**2.085**	**2.118**	**1.954**	**1.950**	W **-.0162**	**52.31**
Stddev	.0004	.03	.012	.011	.003	.003	.0015	.14
%RSD	.4939	.1006	.5723	.5190	.1667	.1757	9.495	.2595
#1	.0836	27.79	2.072	2.105	1.953	1.946	-.0168	52.24
#2	.0845	27.80	2.089	2.122	1.952	1.953	-.0145	52.46
#3	.0840	27.75	2.095	2.126	1.958	1.952	-.0174	52.21

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**.1865**	**1.980**	**1.971**	**1.943**	**27.35**	**30.50**	**.0020**
Stddev	.002	.0009	.001	.006	.003	.05	.11	.0010
%RSD	.0741	.4849	.0392	.3154	.1568	.1960	.3600	49.84
#1	2.059	.1863	1.980	1.978	1.943	27.32	30.40	.0026
#2	2.059	.1858	1.980	1.969	1.940	27.41	30.47	.0024
#3	2.062	.1875	1.981	1.965	1.946	27.32	30.62	.0008

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.32**	**2.078**	**2.028**	**34.00**	**1.981**	**1.995**	**2.043**	**21.27**
Stddev	.06	.002	.004	.08	.000	.005	.005	.05
%RSD	.2005	.1011	.2209	.2332	.0157	.2651	.2378	.2190
#1	31.30	2.075	2.024	33.94	1.981	2.000	2.048	21.22
#2	31.40	2.078	2.026	33.96	1.982	1.996	2.043	21.29
#3	31.28	2.080	2.033	34.09	1.981	1.990	2.039	21.31

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.128**	**2.146**	**5.082**	**2.083**	**2.019**	**2.051**	**2.124**	**1.970**
Stddev	.002	.009	.015	.003	.004	.003	.021	.003
%RSD	.1063	.4175	.2851	.1302	.2233	.1206	.9929	.1623
#1	2.126	2.137	5.078	2.080	2.016	2.052	2.102	1.966
#2	2.129	2.146	5.069	2.084	2.017	2.053	2.127	1.972
#3	2.130	2.154	5.098	2.084	2.024	2.048	2.143	1.972

Zoom In Zoom Out

Sample Name: mp35013-s1 Acquired: 9/13/2022 12:30:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.931**	**2.021**	**2.005**
Stddev	.003	.003	.002
%RSD	.1555	.1671	.1174
#1	1.928	2.025	2.004
#2	1.934	2.021	2.004
#3	1.931	2.018	2.008

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4647.4**	**58807.**	**10906.**	**1695.7**
Stddev	.7	53.	32.	1.5
%RSD	.01568	.09034	.29301	.09087
#1	4648.2	58813.	10934.	1696.9
#2	4647.2	58857.	10872.	1696.2
#3	4646.7	58752.	10913.	1694.0

Zoom In Zoom Out

Sample Name: mp35013-s2 Acquired: 9/13/2022 12:35:36 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0805**	**27.46**	**2.054**	**2.072**	**1.918**	**1.911**	W **-.0161**	**51.61**
Stddev	.0004	.06	.001	.003	.002	.003	.0014	.15
%RSD	.5537	.2158	.0280	.1244	.1181	.1436	8.985	.2963
#1	.0800	27.47	2.053	2.073	1.916	1.908	-.0173	51.70
#2	.0806	27.40	2.054	2.069	1.920	1.913	-.0145	51.43
#3	.0808	27.52	2.054	2.074	1.918	1.912	-.0165	51.69

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.011**	**.1843**	**1.938**	**1.930**	**1.902**	**26.99**	**30.14**	**.0010**
Stddev	.003	.0005	.002	.003	.003	.03	.05	.0002
%RSD	.1594	.2937	.0752	.1442	.1327	.1156	.1756	19.01
#1	2.010	.1837	1.939	1.932	1.899	27.01	30.08	.0011
#2	2.009	.1846	1.938	1.927	1.904	26.96	30.16	.0008
#3	2.015	.1847	1.936	1.930	1.902	27.01	30.18	.0011

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.99**	**2.030**	**1.997**	**33.67**	**1.939**	**1.947**	**2.002**	**21.02**
Stddev	.03	.002	.004	.06	.001	.007	.005	.04
%RSD	.1085	.0971	.1908	.1859	.0641	.3551	.2313	.1709
#1	31.02	2.032	1.995	33.60	1.937	1.944	2.005	21.02
#2	30.98	2.028	1.994	33.69	1.939	1.942	1.997	20.98
#3	30.95	2.030	2.001	33.72	1.940	1.955	2.004	21.05

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.100**	**2.111**	**4.969**	**2.058**	**1.982**	**2.021**	**2.079**	**1.928**
Stddev	.006	.007	.005	.007	.004	.000	.011	.002
%RSD	.2783	.3466	.1103	.3361	.2018	.0124	.5468	.0888
#1	2.099	2.103	4.972	2.054	1.978	2.020	2.066	1.929
#2	2.095	2.114	4.973	2.054	1.986	2.021	2.088	1.926
#3	2.107	2.117	4.963	2.066	1.984	2.021	2.083	1.928

Zoom In Zoom Out

Sample Name: mp35013-s2 Acquired: 9/13/2022 12:35:36 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.910**	**1.977**	**1.980**
Stddev	.004	.006	.001
%RSD	.2190	.3236	.0628
#1	1.905	1.974	1.979
#2	1.911	1.973	1.980
#3	1.914	1.984	1.981

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4652.5**	**58982.**	**10908.**	**1697.8**
Stddev	.9	40.	59.	2.6
%RSD	.01895	.06851	.53659	.15311
#1	4653.2	58941.	10867.	1698.6
#2	4652.7	59022.	10975.	1699.8
#3	4651.5	58981.	10881.	1694.8

Zoom In Zoom Out

Sample Name: jd51249-3 Acquired: 9/13/2022 12:40:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**1.145**	**.0037**	**.0444**	**.0264**	**.0003**	**-.0007**	**28.75**	**.0000**
Stddev	.0004	.007	.0012	.0011	.0002	.0000	.0006	.05	.0004
%RSD	147.1	.5975	33.25	2.381	.7739	1.494	83.52	.1735	12560.
#1	.0002	1.147	.0026	.0453	.0264	.0003	-.0005	28.78	-.0004
#2	-.0004	1.150	.0050	.0432	.0266	.0003	-.0013	28.79	-.0000
#3	-.0005	1.137	.0034	.0448	.0262	.0003	-.0003	28.69	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0173**	**.0014**	**.0016**	**.0100**	**1.156**	**5.205**	**.0000**	**6.377**	**.0818**
Stddev	.0008	.0003	.0004	.0003	.008	.016	.0006	.005	.0000
%RSD	4.350	22.59	24.69	2.918	.6637	.3083	1566.	.0764	.0503
#1	.0175	.0016	.0012	.0100	1.155	5.197	-.0006	6.382	.0817
#2	.0180	.0015	.0017	.0104	1.165	5.195	.0002	6.372	.0818
#3	.0165	.0010	.0019	.0098	1.150	5.224	.0005	6.377	.0818

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**8.530**	**.0023**	**.1311**	**.0006**	**23.18**	**.0005**	**-.0007**	**3.898**
Stddev	.0003	.022	.0002	.0017	.0008	.06	.0008	.0017	.003
%RSD	13.65	.2575	7.061	1.306	138.3	.2748	179.3	249.5	.0692
#1	.0029	8.552	.0023	.1301	-.0001	23.24	-.0001	.0012	3.897
#2	.0022	8.531	.0021	.1331	.0015	23.17	.0014	-.0023	3.895
#3	.0025	8.508	.0024	.1301	.0004	23.12	.0001	-.0010	3.900

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0992**	**.0294**	**.0022**	**.0032**	**.0079**	**.0226**	**.0008**
Stddev	.0005	.0004	.0003	.0011	.0002	.0001	.0002	.0001
%RSD	29.79	.3860	.8990	52.84	5.818	1.735	.8707	12.24
#1	-.0019	.0996	.0294	.0033	.0030	.0081	.0226	.0007
#2	-.0017	.0991	.0291	.0011	.0033	.0080	.0227	.0008
#3	-.0010	.0988	.0296	.0021	.0033	.0078	.0224	.0009

Zoom In Zoom Out

Sample Name: jd51249-3 Acquired: 9/13/2022 12:40:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4917.7**	**60285.**	**10876.**	**1708.1**
Stddev	6.5	109.	36.	2.9
%RSD	.13243	.18142	.33554	.16807
#1	4910.7	60321.	10844.	1705.1
#2	4918.6	60371.	10867.	1708.2
#3	4923.6	60162.	10916.	1710.9

Zoom In Zoom Out

Sample Name: mp35013-sd1 Acquired: 9/13/2022 12:45:25 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0022**	**1.394**	**.0026**	**.0541**	**.0253**	**.0005**	**-.0080**	**28.11**	**.0012**
Stddev	.0021	.021	.0034	.0053	.0008	.0003	.0075	.07	.0016
%RSD	93.53	1.472	132.3	9.876	3.129	74.78	93.29	.2394	134.7
#1	-.0003	1.385	.0065	.0540	.0258	.0005	-.0066	28.03	.0014
#2	-.0020	1.418	.0002	.0596	.0244	.0001	-.0160	28.13	.0026
#3	-.0044	1.381	.0010	.0489	.0257	.0008	-.0013	28.16	-.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0199**	**.0014**	**.0002**	**.0086**	**1.140**	**4.880**	**.0060**	**6.273**	**.0794**
Stddev	.0084	.0011	.0007	.0013	.010	.172	.0008	.043	.0004
%RSD	41.89	77.87	439.7	15.58	.9098	3.529	12.68	.6842	.4532
#1	.0257	.0025	-.0004	.0101	1.145	5.043	.0051	6.230	.0795
#2	.0238	.0004	.0009	.0081	1.148	4.898	.0064	6.316	.0797
#3	.0104	.0012	-.0000	.0075	1.128	4.700	.0065	6.274	.0790

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**8.126**	**.0017**	**.1487**	**-.0014**	**20.52**	**.0070**	**-.0121**	**3.575**
Stddev	.0011	.059	.0022	.0043	.0085	.04	.0032	.0091	.006
%RSD	23.40	.7292	130.0	2.918	592.3	.1759	45.56	75.58	.1674
#1	.0038	8.178	-.0007	.1512	.0078	20.54	.0102	-.0020	3.581
#2	.0059	8.061	.0021	.1513	-.0087	20.54	.0039	-.0199	3.576
#3	.0045	8.137	.0038	.1437	-.0034	20.48	.0068	-.0143	3.569

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0070**	**.0956**	**.0277**	**-.0042**	**.0033**	**.0203**	**.0269**	**.0025**
Stddev	.0029	.0004	.0023	.0169	.0010	.0077	.0019	.0009
%RSD	41.05	.4672	8.288	402.7	28.92	38.04	7.118	35.46
#1	-.0046	.0958	.0257	.0086	.0042	.0271	.0250	.0018
#2	-.0102	.0959	.0272	.0022	.0023	.0119	.0289	.0036
#3	-.0062	.0951	.0302	-.0234	.0034	.0217	.0269	.0022

Zoom In Zoom Out

Sample Name: mp35013-sd1 Acquired: 9/13/2022 12:45:25 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4951.1**	**59824.**	**10590.**	**1708.1**
Stddev	3.0	58.	22.	2.1
%RSD	.06123	.09728	.20508	.12563
#1	4948.6	59884.	10580.	1709.6
#2	4954.5	59767.	10575.	1705.7
#3	4950.3	59820.	10615.	1709.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 12:50:34 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2424**	**38.60**	**1.970**	**2.003**	**1.950**	**1.981**	**1.991**	**38.80**	**1.989**
Stddev	.0013	.06	.004	.001	.002	.003	.004	.05	.002
%RSD	.5377	.1560	.2124	.0718	.0951	.1473	.2175	.1260	.1143
#1	.2430	38.66	1.966	2.003	1.950	1.984	1.986	38.86	1.986
#2	.2409	38.54	1.974	2.005	1.948	1.979	1.992	38.78	1.989
#3	.2433	38.59	1.968	2.002	1.952	1.980	1.994	38.77	1.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.003**	**1.990**	**1.989**	**1.916**	**39.49**	**38.24**	**1.953**	**38.39**	**2.009**
Stddev	.002	.003	.004	.002	.01	.05	.004	.03	.004
%RSD	.1217	.1666	.1894	.0929	.0266	.1377	.1957	.0757	.1746
#1	2.000	1.987	1.989	1.918	39.50	38.24	1.954	38.36	2.010
#2	2.005	1.993	1.986	1.915	39.50	38.19	1.949	38.38	2.005
#3	2.004	1.992	1.993	1.916	39.48	38.30	1.957	38.42	2.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**38.66**	**1.988**	F **1.790**	**2.017**	**1.913**	**1.990**	**1.976**	**4.881**
Stddev	.004	.03	.003	.001	.003	.010	.001	.003	.023
%RSD	.1724	.0755	.1535	.0516	.1477	.5152	.0397	.1470	.4734
#1	2.010	38.69	1.985	1.789	2.013	1.916	1.991	1.978	4.869
#2	2.013	38.64	1.991	1.790	2.019	1.903	1.989	1.976	4.866
#3	2.017	38.66	1.988	1.791	2.018	1.922	1.990	1.973	4.908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				-10.00%					

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 12:50:34 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**1.948**	**1.983**	**2.076**	**1.985**	**2.008**	**2.016**	**1.983**
Stddev	.004	.004	.003	.007	.004	.008	.005	.003
%RSD	.1716	.1796	.1315	.3351	.1846	.4138	.2423	.1588
#1	2.014	1.948	1.981	2.077	1.987	2.001	2.011	1.986
#2	2.020	1.945	1.981	2.083	1.981	2.005	2.017	1.980
#3	2.020	1.952	1.986	2.069	1.986	2.017	2.020	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4555.9**	**58170.**	**10503.**	**1677.7**
Stddev	7.4	258.	12.	1.6
%RSD	.16152	.44311	.11485	.09819
#1	4558.7	58151.	10494.	1679.2
#2	4547.6	58437.	10499.	1675.9
#3	4561.5	57922.	10517.	1677.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 12:55:23 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**.0001**	**.0001**	**.0044**	**-.0001**	**.0001**	**.0007**	**.0011**	**.0000**
Stddev	.0006	.0072	.0009	.0009	.0001	.0001	.0011	.0036	.0003
%RSD	54.20	5676.	1685.	20.41	197.1	114.6	154.3	332.0	3200.
#1	-.0011	-.0076	.0005	.0039	-.0000	.0001	.0019	.0030	-.0000
#2	-.0006	.0065	-.0010	.0054	.0000	.0001	.0006	.0033	.0003
#3	-.0018	.0015	.0006	.0038	-.0002	-.0000	-.0003	-.0031	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0001**	**-.0003**	**-.0007**	**.0051**	**.0160**	**.0029**	**.0188**	**.0001**
Stddev	.0026	.0002	.0003	.0002	.0011	.0318	.0006	.0226	.0000
%RSD	543.7	223.0	104.4	29.33	22.30	198.8	21.18	120.5	76.17
#1	-.0034	.0001	-.0003	-.0008	.0052	.0189	.0035	.0448	.0001
#2	.0010	-.0004	-.0006	-.0008	.0061	.0463	.0023	.0060	.0000
#3	.0010	-.0000	.0000	-.0004	.0039	-.0171	.0029	.0054	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0078**	**.0001**	**.0073**	**-.0000**	**-.0032**	**.0010**	**-.0021**	**.0012**
Stddev	.0002	.0065	.0003	.0014	.0008	.0089	.0015	.0021	.0009
%RSD	25.80	83.43	237.5	18.91	7021.	280.5	151.0	103.3	72.70
#1	.0005	.0118	-.0002	.0086	-.0010	-.0013	.0020	-.0009	.0006
#2	.0008	.0003	.0001	.0075	.0006	.0046	-.0008	-.0008	.0023
#3	.0005	.0113	.0005	.0058	.0003	-.0129	.0018	-.0046	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 12:55:23 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**-.0000**	**.0006**	**-.0012**	**.0002**	**.0017**	**.0021**	**-.0000**
Stddev	.0008	.0001	.0000	.0022	.0002	.0015	.0002	.0001
%RSD	71.58	1005.	6.310	173.1	97.42	89.70	9.239	693.2
#1	-.0015	-.0001	.0006	-.0019	.0004	-.0000	.0021	.0001
#2	-.0002	.0001	.0005	-.0030	.0001	.0028	.0022	-.0001
#3	-.0016	-.0000	.0006	.0012	.0001	.0022	.0018	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5008.4**	**60246.**	**10597.**	**1729.4**
Stddev	7.5	48.	42.	6.0
%RSD	.15042	.07998	.39430	.34455
#1	4999.8	60258.	10645.	1723.1
#2	5011.4	60193.	10574.	1730.4
#3	5013.9	60287.	10571.	1734.9

Zoom In Zoom Out

Sample Name: jd51236-3 Acquired: 9/13/2022 13:00:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.6181**	**.0059**	**.3521**	**.0925**	**.0000**	**-.0023**	**55.75**	**.0001**
Stddev	.0006	.0089	.0003	.0016	.0005	.0001	.0020	.08	.0001
%RSD	743.8	1.438	5.863	.4424	.5529	1855.	85.97	.1381	68.51
#1	.0000	.6079	.0056	.3503	.0919	.0001	-.0032	55.78	.0001
#2	.0007	.6232	.0063	.3528	.0927	.0000	-.0000	55.66	.0001
#3	-.0005	.6234	.0060	.3531	.0929	-.0001	-.0037	55.80	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0865**	**.0010**	**.0026**	**.0162**	**2.392**	**4.660**	**.0075**	**9.504**	**1.297**
Stddev	.0016	.0009	.0004	.0002	.003	.026	.0010	.047	.003
%RSD	1.793	89.71	16.82	1.377	.1436	.5696	12.95	.4946	.2645
#1	.0867	.0000	.0022	.0163	2.393	4.645	.0066	9.515	1.295
#2	.0879	.0018	.0026	.0159	2.389	4.643	.0085	9.452	1.301
#3	.0848	.0012	.0031	.0163	2.395	4.690	.0075	9.544	1.295

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**36.99**	**.0040**	**.1353**	**.0014**	**21.36**	**.0002**	**-.0055**	**9.452**
Stddev	.0003	.09	.0003	.0007	.0019	.07	.0013	.0034	.003
%RSD	8.835	.2336	7.893	.5097	129.3	.3153	790.7	62.54	.0340
#1	.0027	36.96	.0038	.1345	-.0001	21.37	-.0004	-.0017	9.452
#2	.0032	36.92	.0044	.1359	.0035	21.29	-.0007	-.0084	9.455
#3	.0028	37.08	.0039	.1355	.0009	21.42	.0017	-.0063	9.449

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0023**	**.3996**	**.0232**	**.0049**	**.0029**	**.0092**	**.0203**	**-.0008**
Stddev	.0008	.0014	.0004	.0021	.0002	.0011	.0003	.0000
%RSD	33.31	.3397	1.878	42.33	6.233	11.83	1.501	4.021
#1	-.0023	.3996	.0227	.0035	.0027	.0084	.0205	-.0008
#2	-.0016	.3983	.0236	.0072	.0028	.0087	.0203	-.0008
#3	-.0032	.4010	.0234	.0039	.0031	.0104	.0199	-.0008

Zoom In Zoom Out

Sample Name: jd51236-3 Acquired: 9/13/2022 13:00:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4793.2**	**59604.**	**10773.**	**1700.3**
Stddev	.9	194.	42.	.9
%RSD	.01918	.32525	.39336	.05479
#1	4793.9	59826.	10803.	1700.5
#2	4792.2	59468.	10792.	1699.3
#3	4793.5	59517.	10725.	1701.1

Zoom In Zoom Out

Sample Name: jd51247-1 Acquired: 9/13/2022 13:05:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**3.601**	**.0044**	**.0659**	**.0163**	**.0001**	**-.0014**	**12.45**	**.0010**
Stddev	.0003	.017	.0010	.0008	.0001	.0001	.0013	.15	.0002
%RSD	24.59	.4676	23.50	1.261	.5898	127.2	93.43	1.183	16.56
#1	.0008	3.617	.0053	.0664	.0163	-.0000	.0001	12.61	.0010
#2	.0013	3.583	.0044	.0650	.0164	.0001	-.0024	12.41	.0008
#3	.0011	3.602	.0033	.0664	.0162	.0001	-.0020	12.32	.0012

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0116**	**.0008**	**.0361**	**.5277**	**3.607**	**20.40**	**.0013**	**3.419**	**.1166**
Stddev	.0034	.0003	.0002	.0016	.002	.12	.0006	.015	.0002
%RSD	29.60	40.51	.4944	.2982	.0662	.5655	51.19	.4400	.1650
#1	.0092	.0010	.0363	.5286	3.607	20.30	.0017	3.415	.1168
#2	.0155	.0004	.0361	.5259	3.604	20.38	.0016	3.435	.1165
#3	.0100	.0009	.0359	.5286	3.609	20.52	.0005	3.406	.1166

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**116.1**	**.0169**	**2.909**	**.0042**	**6.664**	**.0019**	**.0037**	**16.79**
Stddev	.0001	.6	.0004	.007	.0009	.027	.0001	.0008	.06
%RSD	4.500	.4965	2.507	.2450	22.75	.4053	8.013	22.10	.3720
#1	.0033	115.5	.0164	2.903	.0033	6.643	.0017	.0028	16.73
#2	.0030	116.1	.0171	2.917	.0051	6.656	.0020	.0043	16.80
#3	.0032	116.7	.0172	2.908	.0041	6.695	.0019	.0041	16.85

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0379**	**.0022**	**.0052**	**.0013**	**.0166**	**.5014**	**.0008**
Stddev	.0016	.0001	.0004	.0020	.0002	.0008	.0005	.0002
%RSD	377.3	.1457	19.01	38.68	14.19	4.937	.1046	23.20
#1	-.0012	.0379	.0019	.0049	.0012	.0159	.5008	.0008
#2	.0014	.0379	.0027	.0034	.0015	.0175	.5017	.0006
#3	-.0014	.0378	.0020	.0074	.0011	.0164	.5017	.0009

Zoom In Zoom Out

Sample Name: jd51247-1 Acquired: 9/13/2022 13:05:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4649.8**	**58881.**	**10597.**	**1672.2**
Stddev	18.1	31.	43.	6.9
%RSD	.39001	.05317	.40443	.41467
#1	4670.8	58900.	10570.	1678.0
#2	4639.8	58845.	10646.	1674.2
#3	4638.9	58898.	10574.	1664.5

Zoom In Zoom Out

Sample Name: jd51249-1 Acquired: 9/13/2022 13:10:42 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**6.177**	**.0119**	**.0772**	**.0889**	**.0007**	**.0018**	**93.83**	**.0003**
Stddev	.0007	.003	.0006	.0013	.0004	.0000	.0019	.11	.0001
%RSD	116.1	.0483	5.075	1.652	.4767	2.644	102.6	.1179	49.99
#1	.0006	6.174	.0126	.0757	.0887	.0007	.0021	93.73	.0004
#2	-.0001	6.177	.0116	.0779	.0893	.0007	-.0002	93.81	.0001
#3	.0012	6.180	.0116	.0779	.0885	.0007	.0036	93.95	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0667**	**.0071**	**.0117**	**.0858**	**8.332**	**5.875**	**.0051**	**7.378**	**.3066**
Stddev	.0029	.0004	.0002	.0005	.010	.039	.0006	.021	.0002
%RSD	4.310	6.109	1.852	.5687	.1237	.6554	12.20	.2885	.0524
#1	.0680	.0075	.0119	.0860	8.320	5.830	.0044	7.402	.3065
#2	.0686	.0067	.0118	.0861	8.336	5.899	.0056	7.361	.3065
#3	.0634	.0069	.0115	.0852	8.339	5.895	.0054	7.372	.3068

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**5.709**	**.0112**	**.3888**	**.0500**	**70.32**	**.0013**	**-.0031**	**10.74**
Stddev	.0003	.005	.0003	.0029	.0007	.28	.0010	.0026	.04
%RSD	12.48	.0951	2.723	.7568	1.414	.3934	77.30	83.03	.3493
#1	.0020	5.706	.0113	.3885	.0494	70.46	.0006	-.0060	10.75
#2	.0025	5.716	.0115	.3919	.0499	70.00	.0008	-.0023	10.70
#3	.0026	5.707	.0109	.3861	.0508	70.50	.0024	-.0010	10.78

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0134**	**.1831**	**.1900**	**.0069**	**.0302**	**.0109**	**.0967**	**.0006**
Stddev	.0002	.0004	.0005	.0028	.0002	.0009	.0005	.0001
%RSD	1.765	.1924	.2575	40.02	.8171	7.956	.4708	9.841
#1	.0131	.1828	.1897	.0055	.0304	.0116	.0971	.0007
#2	.0135	.1835	.1898	.0101	.0303	.0112	.0967	.0006
#3	.0135	.1831	.1906	.0051	.0299	.0100	.0962	.0006

Zoom In Zoom Out

Sample Name: jd51249-1 Acquired: 9/13/2022 13:10:42 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4783.7**	**59882.**	**10902.**	**1693.0**
Stddev	3.9	107.	7.	4.9
%RSD	.08213	.17951	.06547	.29059
#1	4784.5	59982.	10907.	1693.9
#2	4779.4	59896.	10905.	1697.4
#3	4787.1	59768.	10894.	1687.7

Zoom In Zoom Out

Sample Name: jd51249-2 Acquired: 9/13/2022 13:15:47 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**1.476**	**.0049**	**.0605**	**.0331**	**.0002**	**.0004**	**24.65**	**-.0002**
Stddev	.0004	.007	.0007	.0020	.0004	.0001	.0002	.00	.0004
%RSD	344.6	.5025	15.33	3.346	1.155	34.05	53.24	.0054	177.9
#1	.0006	1.483	.0040	.0627	.0331	.0002	.0002	24.65	-.0006
#2	.0000	1.477	.0054	.0600	.0335	.0001	.0006	24.65	.0001
#3	-.0002	1.468	.0052	.0587	.0327	.0002	.0004	24.65	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0156**	**.0014**	**.0029**	**.0158**	**1.899**	**5.391**	**.0019**	**2.745**	**.0620**
Stddev	.0014	.0002	.0003	.0006	.006	.039	.0006	.009	.0001
%RSD	9.238	17.20	11.29	3.486	.2984	.7197	33.62	.3361	.2361
#1	.0148	.0015	.0027	.0158	1.899	5.347	.0026	2.755	.0620
#2	.0173	.0011	.0033	.0153	1.892	5.406	.0014	2.743	.0622
#3	.0147	.0015	.0027	.0164	1.904	5.420	.0017	2.737	.0619

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**8.575**	**.0034**	**.2548**	**.0070**	**16.23**	**.0002**	**-.0039**	**3.959**
Stddev	.0005	.049	.0001	.0019	.0017	.02	.0026	.0021	.006
%RSD	39.51	.5761	2.053	.7484	24.55	.1197	1319.	54.62	.1622
#1	.0008	8.567	.0033	.2534	.0051	16.22	.0010	-.0015	3.952
#2	.0012	8.628	.0034	.2539	.0075	16.22	.0023	-.0048	3.961
#3	.0018	8.530	.0033	.2569	.0084	16.25	-.0027	-.0054	3.965

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0024**	**.0807**	**.0658**	**.0015**	**.0075**	**.0038**	**.0253**	**-.0003**
Stddev	.0006	.0003	.0005	.0016	.0001	.0004	.0004	.0002
%RSD	24.89	.3394	.7760	108.4	1.346	9.583	1.501	97.50
#1	-.0019	.0806	.0663	.0034	.0074	.0037	.0249	-.0005
#2	-.0023	.0809	.0652	.0002	.0076	.0035	.0253	-.0003
#3	-.0030	.0804	.0658	.0010	.0075	.0042	.0257	.0000

Zoom In Zoom Out

Sample Name: jd51249-2 Acquired: 9/13/2022 13:15:47 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4948.3**	**60479.**	**10908.**	**1724.4**
Stddev	7.1	218.	18.	5.3
%RSD	.14250	.36043	.16955	.30667
#1	4953.2	60619.	10917.	1723.5
#2	4940.2	60228.	10921.	1719.6
#3	4951.6	60591.	10887.	1730.1

Zoom In Zoom Out

Sample Name: jd51249-4 Acquired: 9/13/2022 13:20:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**4.475**	**.0092**	**.0547**	**.1137**	**.0006**	**.0033**	**50.82**	**.0006**
Stddev	.0001	.015	.0009	.0008	.0001	.0000	.0014	.09	.0003
%RSD	17.42	.3352	10.03	1.460	.1092	4.264	43.45	.1815	47.94
#1	.0008	4.485	.0102	.0539	.1136	.0006	.0047	50.83	.0006
#2	.0009	4.482	.0089	.0555	.1138	.0005	.0019	50.91	.0003
#3	.0007	4.458	.0084	.0546	.1137	.0006	.0032	50.72	.0009

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0514**	**.0071**	**.0192**	**.0638**	**6.213**	**17.25**	**.0039**	**8.406**	**.3215**
Stddev	.0010	.0001	.0003	.0004	.014	.06	.0008	.009	.0008
%RSD	1.889	1.292	1.463	.6698	.2179	.3280	21.44	.1019	.2511
#1	.0519	.0071	.0191	.0633	6.212	17.19	.0041	8.404	.3209
#2	.0520	.0071	.0190	.0639	6.226	17.31	.0046	8.398	.3224
#3	.0503	.0070	.0195	.0642	6.199	17.25	.0029	8.415	.3211

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**8.581**	**.0165**	**.6144**	**.0444**	**22.49**	**.0055**	**-.0023**	**8.718**
Stddev	.0001	.015	.0001	.0019	.0008	.02	.0022	.0011	.013
%RSD	1.606	.1723	.5837	.3025	1.816	.0706	39.71	46.69	.1430
#1	.0045	8.582	.0166	.6148	.0451	22.47	.0072	-.0020	8.725
#2	.0044	8.595	.0164	.6124	.0446	22.50	.0062	-.0014	8.725
#3	.0044	8.566	.0166	.6161	.0435	22.50	.0030	-.0035	8.704

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**.1231**	**.2874**	**.0022**	**.0209**	**.0074**	**.6171**	**-.0004**
Stddev	.0007	.0004	.0006	.0024	.0004	.0009	.0007	.0001
%RSD	35.55	.2959	.2076	111.8	1.915	12.10	.1210	27.53
#1	-.0015	.1228	.2868	.0002	.0205	.0069	.6172	-.0003
#2	-.0016	.1235	.2874	.0049	.0212	.0069	.6162	-.0004
#3	-.0027	.1230	.2880	.0015	.0211	.0085	.6177	-.0006

Zoom In Zoom Out

Sample Name: jd51249-4 Acquired: 9/13/2022 13:20:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4829.0**	**60117.**	**10900.**	**1711.2**
Stddev	1.0	74.	65.	.7
%RSD	.01971	.12387	.60047	.03880
#1	4829.7	60175.	10946.	1710.8
#2	4829.4	60143.	10928.	1712.0
#3	4827.9	60033.	10825.	1710.8

Zoom In Zoom Out

Sample Name: jd51249-5 Acquired: 9/13/2022 13:25:53 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.5560**	**.0049**	**.0408**	**.0239**	**.0001**	**-.0006**	**19.35**	**-.0001**
Stddev	.0001	.0119	.0004	.0012	.0002	.0001	.0019	.04	.0002
%RSD	43.20	2.140	9.178	3.003	.7243	135.2	343.0	.2299	135.0
#1	-.0001	.5691	.0049	.0417	.0237	.0001	.0009	19.40	-.0002
#2	-.0002	.5530	.0053	.0394	.0240	-.0000	-.0027	19.33	.0001
#3	-.0003	.5459	.0044	.0414	.0240	.0001	.0001	19.31	-.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0060**	**.0003**	**.0014**	**.0077**	**.6499**	**4.553**	**.0012**	**4.708**	**.0122**
Stddev	.0012	.0002	.0003	.0003	.0042	.013	.0005	.003	.0000
%RSD	19.57	77.78	22.88	3.566	.6537	.2782	40.37	.0640	.2635
#1	.0061	.0001	.0017	.0079	.6452	4.559	.0016	4.710	.0122
#2	.0070	.0002	.0013	.0074	.6509	4.561	.0014	4.705	.0122
#3	.0047	.0005	.0011	.0077	.6535	4.538	.0007	4.709	.0123

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**1.636**	**.0021**	**.1409**	**.0031**	**5.028**	**.0009**	**-.0031**	**3.803**
Stddev	.0003	.001	.0002	.0022	.0010	.017	.0019	.0020	.003
%RSD	24.21	.0457	9.706	1.575	32.08	.3317	214.1	63.09	.0894
#1	.0010	1.636	.0022	.1384	.0040	5.010	.0009	-.0037	3.800
#2	.0016	1.637	.0019	.1425	.0020	5.032	-.0010	-.0046	3.803
#3	.0016	1.635	.0022	.1419	.0034	5.043	.0027	-.0009	3.807

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0028**	**.0653**	**.0169**	**.0002**	**.0044**	**.0041**	**.0101**	**-.0002**
Stddev	.0012	.0001	.0002	.0018	.0002	.0009	.0003	.0003
%RSD	43.64	.1732	1.054	1051.	4.818	21.40	2.930	166.2
#1	-.0014	.0652	.0171	.0021	.0045	.0038	.0104	-.0003
#2	-.0038	.0653	.0168	-.0003	.0041	.0034	.0100	.0002
#3	-.0031	.0654	.0168	-.0014	.0045	.0051	.0099	-.0004

Zoom In Zoom Out

Sample Name: jd51249-5 Acquired: 9/13/2022 13:25:53 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4985.1**	**60194.**	**10850.**	**1728.8**
Stddev	6.5	121.	66.	3.2
%RSD	.12951	.20130	.61169	.18753
#1	4992.5	60202.	10923.	1731.8
#2	4982.3	60310.	10836.	1725.3
#3	4980.5	60068.	10792.	1729.2

Zoom In Zoom Out

Sample Name: jd51267-1 Acquired: 9/13/2022 13:30:58 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0069**	**.0138**	**.0981**	**.1098**	**.0001**	**-.0010**	**52.65**
Stddev	.0005	.0057	.0024	.0010	.0007	.0001	.0011	.04
%RSD	139.6	81.79	17.35	.9944	.6032	142.3	111.5	.0767
#1	-.0002	-.0005	.0127	.0986	.1094	.0000	-.0017	52.62
#2	.0005	-.0111	.0165	.0986	.1094	-.0000	-.0016	52.70
#3	.0008	-.0092	.0121	.0969	.1105	.0002	.0003	52.64

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0331**	**.0001**	**.0006**	**.0011**	**10.69**	**6.988**	**.0021**
Stddev	.0003	.0021	.0007	.0005	.0003	.01	.018	.0010
%RSD	303.5	6.367	500.1	78.30	27.31	.1125	.2637	46.48
#1	-.0001	.0321	.0007	.0010	.0010	10.70	6.966	.0029
#2	.0002	.0356	-.0006	.0008	.0008	10.70	6.999	.0010
#3	-.0004	.0317	.0003	.0001	.0014	10.68	6.998	.0023

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.95**	**.3402**	**.0003**	**77.97**	**.0003**	**.2300**	**.0000**	**3.410**
Stddev	.13	.0012	.0001	.10	.0006	.0029	.0006	.013
%RSD	.7518	.3534	29.69	.1255	174.6	1.257	2197.	.3705
#1	16.84	.3415	.0004	77.90	-.0003	.2269	.0000	3.415
#2	16.91	.3399	.0002	77.93	.0006	.2303	-.0006	3.396
#3	17.09	.3392	.0003	78.08	.0007	.2326	.0007	3.420

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0038**	**6.965**	**-.0037**	**.2951**	**-.0007**	**.0009**	**.0009**
Stddev	.0013	.0033	.008	.0009	.0006	.0004	.0012	.0001
%RSD	477.6	86.68	.1210	23.70	.1978	58.52	128.0	7.613
#1	-.0005	-.0036	6.964	-.0028	.2949	-.0008	.0023	.0010
#2	.0017	-.0073	6.957	-.0045	.2946	-.0002	.0003	.0010
#3	-.0004	-.0006	6.974	-.0036	.2957	-.0010	.0002	.0009

Zoom In Zoom Out

Sample Name: jd51267-1 Acquired: 9/13/2022 13:30:58 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0070**	**.0099**	W **-.0011**
Stddev	.0019	.0002	.0002
%RSD	26.63	2.357	14.95
#1	.0058	.0102	-.0013
#2	.0061	.0098	-.0009
#3	.0091	.0098	-.0012

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4645.4**	**58933.**	**10709.**	**1664.3**
Stddev	1.3	158.	29.	1.6
%RSD	.02700	.26819	.26849	.09832
#1	4646.8	58750.	10676.	1666.2
#2	4645.0	59020.	10719.	1663.7
#3	4644.3	59028.	10731.	1663.2

Zoom In Zoom Out

Sample Name: mp35039-mb1conf Acquired: 9/13/2022 13:36:03 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0042**	**.0011**	**.0022**	**.0001**	**.0000**	**-.0003**	**.0165**
Stddev	.0005	.0084	.0014	.0016	.0001	.0000	.0002	.0008
%RSD	64.55	201.4	131.1	72.08	134.5	185.8	83.09	4.718
#1	-.0008	-.0109	.0016	.0004	.0001	-.0000	-.0005	.0170
#2	-.0011	-.0068	.0022	.0030	-.0000	.0000	-.0000	.0169
#3	-.0002	.0052	-.0005	.0031	.0001	.0001	-.0003	.0156

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**-.0002**	**-.0003**	**-.0004**	**.0075**	**.0106**	**.0021**
Stddev	.0003	.0010	.0001	.0005	.0004	.0014	.0255	.0004
%RSD	183.9	384.3	75.12	173.6	119.8	18.84	240.9	17.77
#1	.0003	.0014	-.0002	.0001	-.0009	.0068	.0181	.0023
#2	.0003	-.0006	-.0003	-.0009	-.0001	.0066	.0315	.0016
#3	-.0002	-.0000	-.0000	-.0002	-.0001	.0092	-.0179	.0022

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0150**	**.0003**	**.0001**	**.0247**	**-.0002**	**.0123**	**-.0009**	**.0018**
Stddev	.0272	.0001	.0004	.0084	.0005	.0019	.0006	.0080
%RSD	181.1	34.46	307.0	34.15	245.2	15.71	62.24	444.4
#1	.0226	.0002	-.0003	.0305	-.0008	.0140	-.0003	-.0054
#2	.0377	.0004	.0005	.0286	-.0000	.0127	-.0009	.0003
#3	-.0152	.0002	.0002	.0150	.0002	.0102	-.0015	.0104

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0030**	**.0213**	**-.0018**	**.0000**	**.0001**	F **-.0025**	**-.0001**
Stddev	.0008	.0006	.0010	.0009	.0001	.0004	.0013	.0003
%RSD	166.0	20.13	4.586	50.61	130.6	292.5	50.64	488.3
#1	.0010	.0024	.0220	-.0020	-.0000	.0002	-.0035	-.0003
#2	-.0004	.0036	.0217	-.0008	.0001	-.0003	-.0011	-.0002
#3	.0009	.0031	.0202	-.0026	.0001	.0005	-.0030	.0003

Zoom In Zoom Out

Sample Name: mp35039-mb1conf Acquired: 9/13/2022 13:36:03 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0011**	**.0009**	**.0001**
Stddev	.0013	.0002	.0002
%RSD	119.6	23.13	387.6
#1	.0014	.0010	-.0002
#2	.0022	.0007	.0003
#3	-.0003	.0010	.0001

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4999.7**	**60469.**	**10761.**	**1722.4**
Stddev	3.1	148.	25.	3.0
%RSD	.06247	.24516	.23466	.17343
#1	5000.9	60403.	10784.	1723.1
#2	4996.1	60366.	10766.	1725.0
#3	5002.0	60639.	10734.	1719.1

Zoom In Zoom Out

Sample Name: mp35039-ps1 7 Acquired: 9/13/2022 13:41:13 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2361**	**27.78**	**1.981**	**2.022**	**1.973**	**1.969**	W **-.0169**	**53.14**
Stddev	.0009	.03	.005	.006	.003	.004	.0013	.03
%RSD	.3937	.1003	.2467	.3046	.1743	.1930	7.545	.0608
#1	.2368	27.81	1.976	2.015	1.975	1.972	-.0156	53.17
#2	.2363	27.76	1.985	2.027	1.969	1.965	-.0170	53.16
#3	.2350	27.76	1.983	2.024	1.973	1.971	-.0182	53.11

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.970**	**.2068**	**1.967**	**1.977**	**1.970**	**31.01**	**27.93**	**.0051**
Stddev	.006	.0033	.002	.004	.006	.02	.04	.0005
%RSD	.3175	1.616	.1139	.2161	.2888	.0636	.1394	9.027
#1	1.962	.2062	1.969	1.981	1.976	31.03	27.94	.0056
#2	1.972	.2105	1.965	1.976	1.968	31.01	27.88	.0052
#3	1.974	.2039	1.966	1.973	1.965	30.99	27.95	.0047

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.28**	**2.316**	**2.014**	**36.69**	**1.963**	**2.132**	**1.984**	**8.517**
Stddev	.05	.005	.005	.06	.003	.016	.012	.004
%RSD	.1473	.2243	.2553	.1507	.1612	.7420	.6269	.0511
#1	33.28	2.311	2.008	36.74	1.964	2.115	1.998	8.521
#2	33.23	2.321	2.016	36.63	1.959	2.135	1.973	8.518
#3	33.32	2.315	2.018	36.71	1.965	2.146	1.983	8.512

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**1.937**	**13.53**	**2.023**	**2.028**	**2.106**	**1.995**	**1.971**
Stddev	.003	.004	.03	.003	.004	.002	.012	.006
%RSD	.1546	.1804	.2483	.1255	.1971	.0939	.5794	.2905
#1	2.026	1.941	13.50	2.026	2.031	2.108	2.008	1.965
#2	2.025	1.934	13.56	2.022	2.024	2.106	1.994	1.976
#3	2.031	1.936	13.54	2.022	2.028	2.104	1.984	1.970

Zoom In Zoom Out

Sample Name: mp35039-ps1 7 Acquired: 9/13/2022 13:41:13 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.912**	**2.129**	**2.011**
Stddev	.018	.004	.004
%RSD	.9277	.1820	.1821
#1	1.896	2.125	2.011
#2	1.909	2.132	2.014
#3	1.931	2.130	2.007

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4605.0**	**58676.**	**10829.**	**1684.0**
Stddev	5.0	49.	46.	5.2
%RSD	.10911	.08421	.42520	.30729
#1	4601.5	58728.	10856.	1689.8
#2	4610.8	58672.	10776.	1682.3
#3	4602.8	58630.	10855.	1679.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 13:46:00 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2420**	**38.64**	**1.938**	**1.985**	**1.955**	**1.986**	**1.984**	**38.84**	**1.984**
Stddev	.0008	.09	.006	.006	.004	.002	.004	.05	.006
%RSD	.3336	.2285	.2865	.2856	.1922	.0886	.2004	.1404	.3039
#1	.2411	38.72	1.932	1.983	1.956	1.988	1.984	38.90	1.980
#2	.2422	38.55	1.941	1.980	1.950	1.985	1.979	38.80	1.981
#3	.2427	38.66	1.942	1.991	1.958	1.984	1.987	38.81	1.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.000**	**1.987**	**1.994**	**1.921**	**39.57**	**38.22**	**1.944**	**38.72**	**2.015**
Stddev	.003	.002	.004	.002	.07	.06	.003	.18	.003
%RSD	.1605	.1009	.1859	.1036	.1799	.1455	.1595	.4600	.1511
#1	2.003	1.987	1.996	1.919	39.64	38.28	1.940	38.78	2.018
#2	1.997	1.985	1.990	1.921	39.50	38.17	1.945	38.52	2.012
#3	2.000	1.989	1.997	1.923	39.58	38.22	1.946	38.86	2.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.988**	**38.78**	**1.987**	**1.911**	**2.010**	**1.920**	**1.964**	**1.929**	**4.850**
Stddev	.005	.07	.003	.006	.001	.011	.005	.007	.018
%RSD	.2629	.1869	.1477	.3157	.0225	.5607	.2678	.3461	.3715
#1	1.983	38.85	1.984	1.904	2.010	1.908	1.964	1.928	4.839
#2	1.987	38.71	1.987	1.915	2.011	1.925	1.958	1.923	4.840
#3	1.993	38.80	1.990	1.915	2.010	1.928	1.969	1.936	4.871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 13:46:00 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.992**	**1.950**	**1.985**	**1.866**	**1.988**	**2.013**	**2.001**	**1.981**
Stddev	.006	.003	.003	.002	.004	.002	.006	.002
%RSD	.3127	.1486	.1270	.0871	.2163	.0889	.2791	.0736
#1	1.984	1.952	1.986	1.866	1.991	2.015	1.995	1.982
#2	1.996	1.947	1.982	1.864	1.983	2.012	2.001	1.980
#3	1.995	1.952	1.987	1.868	1.989	2.011	2.006	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4570.6**	**58130.**	**10491.**	**1682.6**
Stddev	2.1	60.	61.	4.3
%RSD	.04584	.10394	.57853	.25333
#1	4573.1	58179.	10420.	1686.4
#2	4569.4	58063.	10525.	1683.5
#3	4569.5	58149.	10527.	1678.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 13:50:48 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0053**	**.0021**	**.0039**	**.0001**	**.0001**	**.0001**	**-.0003**	**.0001**
Stddev	.0001	.0028	.0014	.0007	.0002	.0001	.0017	.0003	.0002
%RSD	21.46	52.06	64.83	18.55	158.2	61.08	1157.	83.37	173.1
#1	-.0006	-.0025	.0037	.0035	.0001	.0000	-.0007	-.0003	.0003
#2	-.0006	-.0055	.0011	.0048	.0003	.0001	-.0009	-.0007	.0001
#3	-.0008	-.0080	.0016	.0035	-.0001	.0001	.0021	-.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**.0002**	**.0003**	**-.0009**	**.0059**	**-.0254**	**.0009**	**.0210**	**.0001**
Stddev	.0025	.0003	.0004	.0005	.0008	.0190	.0012	.0247	.0000
%RSD	155.2	117.8	152.1	51.22	13.20	74.94	137.5	117.8	24.82
#1	-.0011	.0003	.0002	-.0004	.0051	-.0319	-.0005	-.0052	.0001
#2	-.0042	.0005	-.0001	-.0010	.0060	-.0040	.0014	.0439	.0001
#3	.0006	-.0001	.0007	-.0013	.0067	-.0403	.0017	.0242	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0024**	**.0011**	**.0000**	**.0041**	**-.0009**	**.0014**	**.0010**	**.0009**	**.0016**
Stddev	.0004	.0045	.0005	.0037	.0003	.0024	.0011	.0020	.0009
%RSD	18.01	398.9	918.7	90.15	28.61	170.5	117.1	214.7	56.48
#1	.0028	.0062	-.0004	.0066	-.0009	.0033	.0001	.0028	.0011
#2	.0020	-.0002	.0000	.0060	-.0012	.0021	.0022	-.0012	.0010
#3	.0023	-.0026	.0005	-.0002	-.0007	-.0013	.0006	.0011	.0026
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0020								
Low Limit	-.0020								

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 13:50:48 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0000**	**-.0003**	**.0012**	**.0006**	F **.0125**	**.0019**	**-.0001**
Stddev	.0003	.0000	.0005	.0021	.0002	.0005	.0002	.0002
%RSD	137.7	2563.	174.6	177.5	38.23	3.792	10.46	138.2
#1	-.0003	.0000	.0001	.0027	.0006	.0127	.0021	-.0001
#2	-.0006	-.0000	-.0001	-.0012	.0008	.0129	.0020	-.0003
#3	.0001	-.0000	-.0008	.0020	.0004	.0120	.0017	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0063		
Low Limit						-.0063		

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5028.1**	**60433.**	**10574.**	**1732.1**
Stddev	5.7	45.	31.	2.1
%RSD	.11339	.07438	.28989	.12073
#1	5021.6	60392.	10607.	1730.0
#2	5030.8	60426.	10567.	1734.1
#3	5032.0	60481.	10547.	1732.3

Zoom In Zoom Out

Sample Name: crid Acquired: 9/13/2022 13:56:25 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0005**	**.0853**	**.0035**	F **.0021**	**.0040**	**.0010**	F **-.0014**	**1.018**
Stddev	.0004	.0052	.0010	.0002	.0001	.0001	.0010	.003
%RSD	88.55	6.077	29.71	8.048	1.698	8.052	69.49	.3368
#1	-.0001	.0902	.0034	.0019	.0041	.0010	-.0013	1.015
#2	-.0005	.0858	.0046	.0021	.0040	.0011	-.0024	1.017
#3	-.0010	.0799	.0025	.0023	.0039	.0009	-.0004	1.022
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	.0020			.0100			.0040	
Range	-30.00%			-30.00%			-30.00%	

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0015**	**.0028**	**.0021**	F **-.0003**	**.0015**	**1.945**	F **.0010**
Stddev	.0003	.0029	.0002	.0004	.0007	.0015	.015	.0004
%RSD	24.89	185.2	8.493	19.48	212.6	94.66	.7551	44.02
#1	.0011	.0045	.0025	.0021	-.0005	.0006	1.951	.0015
#2	.0014	-.0012	.0029	.0017	.0005	.0032	1.929	.0008
#3	.0008	.0014	.0029	.0025	-.0009	.0008	1.956	.0007
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail
Value					.0020			.0040
Range					-30.00%			-30.00%

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1234**	**.0031**	**.0012**	**.9809**	**.0037**	**.0033**	F **-.0001**	**.0030**
Stddev	.0026	.0000	.0002	.0101	.0000	.0012	.0006	.0014
%RSD	2.106	.4986	18.68	1.030	1.266	36.24	650.8	47.60
#1	.1208	.0031	.0014	.9904	.0037	.0045	.0003	.0018
#2	.1234	.0031	.0011	.9703	.0037	.0021	-.0008	.0045
#3	.1260	.0031	.0010	.9819	.0038	.0033	.0003	.0026
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.0025	
Range							-30.00%	

Zoom In Zoom Out

Sample Name: crid Acquired: 9/13/2022 13:56:25 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0001**	F **-.0003**	**.0005**	**-.0007**	**-.0000**	**-.0001**	F **.0011**	**.0024**
Stddev	.0018	.0008	.0004	.0003	.0000	.0002	.0007	.0002
%RSD	1531.	312.2	86.36	36.33	100.2	187.2	68.73	9.912
#1	.0017	.0004	.0010	-.0006	-.0000	.0001	.0003	.0021
#2	-.0003	-.0011	.0003	-.0006	-.0001	-.0001	.0017	.0025
#3	-.0018	-.0001	.0002	-.0010	-.0000	-.0003	.0012	.0026
Check ?	Chk Fail	Chk Fail	None	None	None	None	Chk Fail	Chk Pass
Value	.0030	.0050					.0020	
Range	-30.00%	-30.00%					-20.00%	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	F **.0069**	**.0095**	F **-.0000**
Stddev	.0009	.0004	.0001
%RSD	13.54	3.860	346.3
#1	.0060	.0092	.0000
#2	.0069	.0093	-.0001
#3	.0079	.0099	.0000
Check ?	Chk Fail	Chk Pass	Chk Fail
Value	.0040		.0040
Range	30.00%		-30.00%

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5009.5**	**60347.**	**10575.**	**1725.2**
Stddev	3.2	182.	40.	3.6
%RSD	.06362	.30166	.37384	.20663
#1	5013.1	60257.	10608.	1727.7
#2	5008.3	60227.	10585.	1726.8
#3	5007.1	60556.	10531.	1721.1

Zoom In Zoom Out

Sample Name: emptyconf Acquired: 9/13/2022 14:01:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.1970**	**.0046**	**.0036**	**.1967**	**.0021**	**.0019**	**5.112**
Stddev	.0025	.0061	.0002	.0017	.0019	.0001	.0017	.031
%RSD	134.5	3.102	3.734	48.60	.9730	4.865	89.66	.6071
#1	.0044	.1999	.0047	.0055	.1976	.0022	.0038	5.133
#2	.0017	.2012	.0045	.0030	.1980	.0020	.0006	5.126
#3	-.0006	.1900	.0044	.0022	.1945	.0020	.0012	5.076

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0007**	**.0028**	**.0059**	**.0020**	**.1126**	**4.870**	**.0531**
Stddev	.0001	.0034	.0012	.0040	.0081	.0015	.026	.0001
%RSD	77.94	512.1	42.72	67.91	412.7	1.355	.5408	.2385
#1	-.0000	.0044	.0041	.0097	.0094	.1112	4.881	.0530
#2	-.0001	-.0023	.0024	.0062	.0032	.1124	4.888	.0533
#3	-.0001	-.0001	.0018	.0018	-.0067	.1143	4.839	.0531

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.045**	**.0088**	**.0012**	**4.913**	**.0010**	**-.0114**	**-.0001**	W **-.0253**
Stddev	.044	.0063	.0005	.049	.0003	.0017	.0013	.0047
%RSD	.8824	70.94	40.66	1.000	27.03	15.26	1003.	18.49
#1	5.080	.0149	.0018	4.958	.0011	-.0094	-.0012	-.0199
#2	5.061	.0091	.0010	4.920	.0012	-.0121	-.0004	-.0278
#3	4.995	.0024	.0010	4.861	.0007	-.0127	.0013	-.0282

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**-.0042**	**.0001**	**-.0011**	**.0097**	**.0054**	**.0008**	**.0286**
Stddev	.0007	.0012	.0043	.0004	.0001	.0036	.0005	.0198
%RSD	40.37	27.97	3973.	34.31	.7824	67.06	65.36	69.11
#1	.0012	-.0033	.0050	-.0010	.0097	.0088	.0009	.0480
#2	.0014	-.0037	-.0015	-.0016	.0098	.0059	.0012	.0293
#3	.0025	-.0055	-.0031	-.0008	.0096	.0016	.0002	.0085

Zoom In Zoom Out

Sample Name: emptyconf Acquired: 9/13/2022 14:01:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0038**	**.0003**	**.0067**
Stddev	.0011	.0006	.0046
%RSD	27.79	216.7	67.81
#1	.0050	.0010	.0110
#2	.0030	.0001	.0073
#3	.0034	-.0002	.0019

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**12968.**	*****	**10600.**	**4841.8**
Stddev	206.	-----	87.	68.2
%RSD	1.5910	-----	.82327	1.4088
#1	12731.	60703.	10550.	4763.1
#2	13068.	-----	10550.	4878.7
#3	13106.	125280.	10701.	4883.6

Zoom In Zoom Out

Sample Name: emptyconf Acquired: 9/13/2022 14:12:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**.1937**	**.0083**	**.0980**	**.1919**	**.0021**	**.0209**	**5.040**	**.0031**
Stddev	.0006	.0083	.0010	.0009	.0002	.0001	.0008	.014	.0003
%RSD	13.99	4.268	11.51	.8884	.1262	4.390	3.993	.2707	9.592
#1	.0044	.1907	.0089	.0983	.1917	.0021	.0204	5.029	.0027
#2	.0038	.1874	.0088	.0970	.1920	.0021	.0218	5.055	.0033
#3	.0050	.2031	.0072	.0987	.1921	.0022	.0205	5.035	.0032

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0478**	**.0096**	**.0089**	**.1129**	**4.807**	**.0527**	**4.984**	**.0152**
Stddev	.0026	.0005	.0003	.0003	.0019	.033	.0005	.056	.0000
%RSD	60.81	.9840	2.923	3.189	1.658	.6944	.9521	1.114	.1790
#1	.0072	.0481	.0099	.0087	.1128	4.805	.0532	4.923	.0152
#2	.0033	.0473	.0097	.0087	.1148	4.842	.0525	5.033	.0151
#3	.0023	.0480	.0093	.0092	.1110	4.775	.0523	4.995	.0152

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0210**	**4.816**	**.0093**	**.0506**	**.0015**	**.0507**	**.0053**	**.0113**	**.1987**
Stddev	.0004	.013	.0004	.0017	.0009	.0025	.0014	.0032	.0018
%RSD	1.737	.2619	4.112	3.377	63.99	4.928	25.61	28.07	.9071
#1	.0212	4.803	.0095	.0515	.0012	.0534	.0041	.0136	.2001
#2	.0212	4.818	.0089	.0516	.0025	.0501	.0051	.0077	.1967
#3	.0206	4.828	.0095	.0486	.0007	.0485	.0068	.0127	.1993

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0090**	**.0094**	**.0098**	**.0095**	**.0487**	**.0535**	**.0240**	**.0096**
Stddev	.0000	.0001	.0002	.0021	.0001	.0007	.0004	.0002
%RSD	.1764	.9070	2.209	22.45	.1726	1.234	1.489	1.896
#1	.0090	.0093	.0098	.0115	.0487	.0542	.0240	.0096
#2	.0090	.0095	.0100	.0073	.0488	.0532	.0236	.0098
#3	.0090	.0095	.0096	.0098	.0486	.0530	.0243	.0094

Zoom In Zoom Out

Sample Name: emptyconf Acquired: 9/13/2022 14:12:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4938.1**	**60051.**	**10508.**	**1716.9**
Stddev	11.8	173.	93.	9.2
%RSD	.23794	.28849	.88121	.53472
#1	4937.5	60015.	10580.	1718.5
#2	4950.1	60239.	10404.	1725.3
#3	4926.7	59898.	10542.	1707.1

Zoom In Zoom Out

Sample Name: jd51289-2f Acquired: 9/13/2022 14:18:03 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.1864**	**.0094**	**.6383**	**.5150**	**.0003**	**-.0093**	**78.67**	**-.0011**
Stddev	.0031	.0196	.0050	.0038	.0013	.0003	.0011	.10	.0015
%RSD	513.2	10.51	53.67	.5996	.2507	130.4	12.04	.1322	133.1
#1	-.0027	.2081	.0150	.6417	.5163	-.0001	-.0094	78.77	-.0016
#2	-.0022	.1702	.0052	.6342	.5151	.0004	-.0104	78.68	-.0023
#3	.0030	.1807	.0080	.6389	.5137	.0005	-.0081	78.56	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0382**	**-.0006**	**.0002**	**-.0011**	**.1405**	**27.55**	**.0547**	**57.36**	**.1223**
Stddev	.0211	.0010	.0012	.0015	.0115	.04	.0017	.13	.0009
%RSD	55.19	180.4	487.2	129.7	8.200	.1495	3.076	.2341	.7697
#1	.0588	.0006	-.0001	-.0024	.1388	27.54	.0555	57.44	.1232
#2	.0167	-.0014	-.0007	-.0015	.1528	27.52	.0558	57.42	.1213
#3	.0391	-.0008	.0015	.0005	.1299	27.60	.0528	57.20	.1225

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**326.4**	**-.0002**	**.0627**	**-.0020**	**.4590**	**.0040**	**.0009**	**14.01**
Stddev	.0031	.7	.0031	.0089	.0084	.0166	.0067	.0170	.03
%RSD	221.5	.2238	1575.	14.12	423.3	3.621	166.2	1891.	.1797
#1	.0013	327.1	.0017	.0648	-.0101	.4537	-.0031	.0141	14.04
#2	-.0016	325.6	.0015	.0703	-.0025	.4777	.0051	.0068	13.98
#3	.0045	326.5	-.0038	.0530	.0066	.4458	.0101	-.0182	14.01

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0097**	**.5932**	**-.0048**	**-.0015**	**.0005**	**.0312**	**.0226**	**-.0019**
Stddev	.0033	.0031	.0028	.0046	.0005	.0064	.0001	.0003
%RSD	34.37	.5205	58.40	303.2	112.1	20.50	.3227	18.33
#1	-.0062	.5967	-.0021	-.0058	.0011	.0376	.0225	-.0019
#2	-.0129	.5909	-.0046	-.0021	.0003	.0248	.0226	-.0022
#3	-.0100	.5919	-.0077	.0033	.0000	.0313	.0226	-.0015

Zoom In Zoom Out

Sample Name: jd51289-2f Acquired: 9/13/2022 14:18:03 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4698.1**	**58546.**	**10427.**	**1683.6**
Stddev	6.6	261.	13.	2.7
%RSD	.14092	.44515	.12596	.15990
#1	4690.9	58399.	10425.	1681.4
#2	4704.0	58847.	10441.	1686.6
#3	4699.5	58393.	10415.	1682.7

Zoom In Zoom Out

Sample Name: jd51289-3f Acquired: 9/13/2022 14:23:11 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0331**	**-.0000**	**.3719**	**.3406**	**-.0001**	**-.0164**	**66.45**	**.0008**
Stddev	.0011	.0266	.0069	.0009	.0029	.0002	.0028	.47	.0012
%RSD	104.5	80.42	22850.	.2451	.8487	302.0	17.09	.7081	142.7
#1	-.0022	.0613	-.0076	.3709	.3439	.0001	-.0164	66.90	.0022
#2	-.0006	.0292	.0015	.3726	.3384	.0000	-.0193	66.49	-.0001
#3	-.0002	.0086	.0059	.3723	.3396	-.0004	-.0137	65.96	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0498**	**-.0001**	**.0012**	**-.0025**	**7.644**	**14.64**	**.0616**	**35.23**	**.3534**
Stddev	.0006	.0021	.0010	.0006	.034	.15	.0008	.09	.0011
%RSD	1.284	1412.	81.25	22.31	.4391	1.041	1.253	.2597	.3135
#1	.0491	-.0012	.0014	-.0025	7.682	14.79	.0625	35.29	.3540
#2	.0504	-.0014	.0021	-.0020	7.635	14.48	.0611	35.27	.3541
#3	.0498	.0022	.0001	-.0031	7.617	14.65	.0613	35.12	.3521

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**249.8**	**-.0004**	**.0727**	**-.0009**	**.5591**	**.0013**	**-.0101**	**18.30**
Stddev	.0010	1.4	.0004	.0079	.0048	.0279	.0023	.0078	.07
%RSD	40.49	.5464	90.63	10.86	523.8	4.982	167.7	77.27	.3754
#1	.0036	251.4	-.0002	.0818	.0038	.5912	-.0013	-.0173	18.24
#2	.0020	248.8	-.0002	.0690	-.0059	.5444	.0029	-.0111	18.29
#3	.0018	249.3	-.0009	.0674	-.0006	.5417	.0024	-.0018	18.38

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0068**	**.4682**	**-.0015**	**-.0045**	**.0001**	**.0305**	**.0211**	**-.0022**
Stddev	.0024	.0023	.0018	.0082	.0003	.0038	.0006	.0011
%RSD	35.37	.4968	115.3	182.9	283.0	12.47	2.669	50.90
#1	-.0041	.4706	-.0008	.0036	-.0002	.0299	.0216	-.0035
#2	-.0077	.4660	-.0035	-.0128	.0004	.0270	.0211	-.0013
#3	-.0086	.4679	-.0003	-.0042	.0002	.0345	.0205	-.0018

Zoom In Zoom Out

Sample Name: jd51289-3f Acquired: 9/13/2022 14:23:11 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4745.1**	**59048.**	**10516.**	**1694.9**
Stddev	3.5	84.	48.	8.0
%RSD	.07386	.14174	.45726	.46934
#1	4741.2	59119.	10570.	1689.9
#2	4748.0	58956.	10501.	1704.1
#3	4746.1	59069.	10478.	1690.8

Zoom In Zoom Out

Sample Name: mp35045-mb1 Acquired: 9/13/2022 14:28:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**-.0042**	**.0012**	**.0012**	**.0001**	**-.0000**	**-.0007**	**.0001**	**.0000**
Stddev	.0006	.0063	.0025	.0002	.0001	.0001	.0008	.0017	.0006
%RSD	74.34	149.5	203.6	19.91	48.35	830.5	116.6	1438.	39380.
#1	-.0002	-.0016	.0038	.0014	.0002	-.0001	.0001	.0010	.0005
#2	-.0014	.0004	.0011	.0009	.0001	.0000	-.0015	-.0019	-.0006
#3	-.0010	-.0113	-.0012	.0013	.0001	.0000	-.0006	.0012	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**-.0000**	**-.0002**	**.0000**	**.0025**	**-.0258**	**.0002**	**.0192**	**.0000**
Stddev	.0011	.0001	.0001	.0002	.0026	.0270	.0010	.0374	.0001
%RSD	92.46	2550.	60.72	666.9	102.0	104.3	452.1	194.9	4258.
#1	.0021	-.0000	-.0001	-.0002	.0027	.0011	.0011	-.0175	-.0000
#2	-.0000	.0001	-.0003	-.0000	-.0002	-.0529	.0005	.0178	.0001
#3	.0015	-.0001	-.0004	.0003	.0049	-.0257	-.0009	.0573	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0014**	**-.0001**	**.0100**	**-.0014**	**-.0000**	**.0001**	**-.0003**	**.0063**
Stddev	.0002	.0036	.0002	.0008	.0004	.0022	.0011	.0019	.0009
%RSD	213.0	253.4	351.5	7.990	26.95	5524.	875.9	582.6	13.58
#1	.0000	.0026	-.0003	.0093	-.0018	-.0014	-.0011	.0018	.0072
#2	-.0003	-.0025	-.0000	.0109	-.0011	-.0013	.0004	-.0008	.0055
#3	-.0000	-.0043	.0001	.0098	-.0013	.0026	.0010	-.0019	.0062

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0000**	**-.0002**	**-.0006**	**-.0000**	**.0020**	**.0123**	**-.0001**
Stddev	.0005	.0001	.0003	.0002	.0002	.0005	.0001	.0000
%RSD	57.79	367.1	113.8	31.21	1200.	26.58	1.106	24.34
#1	-.0013	.0001	-.0001	-.0004	.0002	.0022	.0122	-.0001
#2	-.0003	-.0000	-.0005	-.0007	-.0002	.0014	.0124	-.0001
#3	-.0010	-.0000	-.0001	-.0007	-.0000	.0025	.0122	-.0002

Zoom In Zoom Out

Sample Name: mp35045-mb1 Acquired: 9/13/2022 14:28:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5007.5	59943.	10528.	1735.0
Stddev	9.1	94.	44.	8.4
%RSD	.18166	.15637	.42147	.48670
#1	5006.8	59859.	10482.	1730.6
#2	5016.9	59926.	10570.	1744.7
#3	4998.8	60044.	10533.	1729.7

Zoom In Zoom Out

Sample Name: cri Acquired: 9/13/2022 14:33:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	.1982	.0086	.0991	.1909	.0022	.0193	4.983	.0031
Stddev	.0007	.0078	.0002	.0012	.0001	.0000	.0008	.017	.0003
%RSD	16.09	3.942	2.851	1.233	.0780	.4272	4.265	.3470	10.13
#1	.0050	.2004	.0085	.0992	.1910	.0022	.0199	4.987	.0029
#2	.0036	.2046	.0085	.1003	.1907	.0022	.0184	4.998	.0030
#3	.0040	.1895	.0089	.0978	.1908	.0022	.0196	4.964	.0035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038	.0478	.0096	.0086	.1107	4.807	.0534	4.923	.0151
Stddev	.0049	.0005	.0005	.0004	.0001	.004	.0009	.066	.0000
%RSD	128.6	1.009	5.550	4.882	.0736	.0844	1.619	1.347	.1427
#1	.0092	.0476	.0102	.0082	.1107	4.811	.0538	4.940	.0151
#2	-.0003	.0474	.0093	.0090	.1107	4.803	.0524	4.979	.0151
#3	.0025	.0483	.0093	.0087	.1108	4.808	.0539	4.849	.0152
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207	4.845	.0099	.0495	.0025	.0412	.0062	.0103	.1974
Stddev	.0003	.020	.0003	.0025	.0003	.0026	.0012	.0024	.0015
%RSD	1.648	.4067	2.750	4.958	11.28	6.218	19.60	23.34	.7670
#1	.0203	4.847	.0096	.0523	.0023	.0383	.0052	.0076	.1976
#2	.0208	4.863	.0101	.0478	.0024	.0420	.0076	.0121	.1958
#3	.0209	4.824	.0100	.0483	.0028	.0432	.0058	.0113	.1989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 9/13/2022 14:33:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094	.0095	.0096	.0094	.0486	.0524	.0239	.0093
Stddev	.0013	.0000	.0002	.0016	.0003	.0019	.0002	.0002
%RSD	13.74	.3961	2.340	16.67	.6946	3.620	.7397	2.631
#1	.0109	.0094	.0094	.0110	.0483	.0527	.0240	.0092
#2	.0087	.0095	.0095	.0078	.0487	.0541	.0237	.0091
#3	.0087	.0095	.0099	.0094	.0489	.0503	.0241	.0095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4917.3	59810.	10444.	1716.0
Stddev	4.1	138.	38.	3.0
%RSD	.08374	.23020	.36835	.17550
#1	4918.7	59659.	10399.	1715.2
#2	4912.7	59844.	10467.	1713.6
#3	4920.6	59928.	10465.	1719.4

Zoom In Zoom Out

Sample Name: icsa Acquired: 9/13/2022 14:38:36 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	493.6	.0005	-.0033	-.0095	-.0004	.0026	376.1	-.0002
Stddev	.0004	.6	.0016	.0005	.0001	.0000	.0014	.8	.0002
%RSD	63.78	.1311	320.0	14.73	1.054	11.41	51.96	.2135	99.03
#1	.0007	494.3	-.0010	-.0030	-.0096	-.0004	.0012	376.4	-.0005
#2	.0012	493.4	.0022	-.0038	-.0094	-.0004	.0040	376.7	-.0002
#3	.0003	493.0	.0003	-.0030	-.0095	-.0003	.0027	375.2	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1621	-.0011	-.0030	-.0011	211.6	.1450	-.0010	473.4	.0021
Stddev	.0024	.0002	.0002	.0005	.6	.0107	.0008	1.2	.0002
%RSD	1.502	17.48	6.226	50.52	.2924	7.346	82.36	.2583	7.864
#1	.1627	-.0010	-.0030	-.0011	212.0	.1495	-.0002	474.1	.0023
#2	.1642	-.0013	-.0029	-.0005	211.8	.1329	-.0009	474.2	.0022
#3	.1594	-.0009	-.0032	-.0016	210.9	.1527	-.0018	472.0	.0020
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0018	-.0361	-.0005	.0193	.0028	-.0221	.0018	-.0060	-.0036
Stddev	.0001	.0045	.0007	.0032	.0011	.0046	.0033	.0076	.0028
%RSD	3.438	12.37	131.9	16.32	39.75	20.62	183.9	125.3	77.40
#1	-.0018	-.0412	-.0001	.0162	.0035	-.0268	.0007	.0009	-.0026
#2	-.0018	-.0332	-.0001	.0225	.0034	-.0177	.0055	-.0141	-.0014
#3	-.0019	-.0338	-.0013	.0192	.0015	-.0219	-.0008	-.0050	-.0067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 9/13/2022 14:38:36 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0039**	**-.0012**	**-.0005**	**-.0015**	**.0004**	**.0077**	**.0029**	**-.0047**
Stddev	.0034	.0000	.0001	.0055	.0004	.0019	.0001	.0002
%RSD	86.66	3.789	20.60	374.5	96.07	24.24	3.224	4.400
#1	-.0077	-.0013	-.0004	.0048	-.0000	.0081	.0030	-.0049
#2	-.0028	-.0012	-.0005	-.0056	.0008	.0093	.0028	-.0049
#3	-.0012	-.0013	-.0005	-.0036	.0005	.0056	.0029	-.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4065.4**	**53774.**	**10250.**	**1575.0**
Stddev	8.6	139.	20.	6.0
%RSD	.21038	.25796	.19829	.38308
#1	4055.7	53773.	10247.	1569.0
#2	4069.0	53914.	10232.	1575.0
#3	4071.6	53636.	10272.	1581.0

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/13/2022 14:43:44 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9958**	**484.2**	**.9843**	**.4610**	**.4518**	**.4664**	**.4790**	**365.0**	**.9959**
Stddev	.0044	1.1	.0009	.0009	.0011	.0008	.0028	.1	.0011
%RSD	.4389	.2179	.0963	.1872	.2502	.1637	.5822	.0226	.1065
#1	1.001	485.4	.9847	.4600	.4531	.4672	.4765	365.0	.9971
#2	.9927	483.6	.9849	.4612	.4510	.4657	.4820	365.1	.9955
#3	.9938	483.5	.9832	.4617	.4512	.4664	.4785	365.0	.9951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6417**	**.4646**	**.4650**	**.4991**	**188.0**	**.1445**	**.4963**	**476.5**	**.4870**
Stddev	.0015	.0013	.0006	.0025	.3	.0053	.0024	.8	.0009
%RSD	.2269	.2729	.1308	.4919	.1701	3.689	.4876	.1705	.1913
#1	.6411	.4659	.4644	.5013	188.2	.1439	.4990	476.5	.4881
#2	.6406	.4634	.4656	.4997	187.6	.1501	.4954	475.7	.4867
#3	.6434	.4645	.4650	.4965	188.1	.1394	.4945	477.3	.4863
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4518**	**-.0279**	**.8933**	**.4584**	**.9117**	**.4373**	**1.006**	**.8635**	**.5880**
Stddev	.0015	.0058	.0012	.0013	.0025	.0024	.002	.0025	.0025
%RSD	.3392	20.71	.1332	.2906	.2713	.5469	.2115	.2942	.4220
#1	.4529	-.0338	.8946	.4569	.9088	.4393	1.008	.8639	.5887
#2	.4525	-.0274	.8922	.4589	.9130	.4379	1.006	.8659	.5901
#3	.4501	-.0223	.8930	.4594	.9132	.4347	1.003	.8608	.5853
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 9/13/2022 14:43:44 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4468**	**.4531**	**.4840**	**.8178**	**.4814**	**.4615**	**.9374**	**.4218**
Stddev	.0022	.0018	.0004	.0024	.0012	.0019	.0010	.0006
%RSD	.4999	.4051	.0907	.2987	.2481	.4010	.1041	.1421
#1	.4472	.4546	.4842	.8187	.4827	.4601	.9381	.4225
#2	.4488	.4510	.4843	.8196	.4813	.4636	.9380	.4218
#3	.4444	.4536	.4835	.8150	.4803	.4608	.9363	.4213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4075.3**	**53995.**	**10321.**	**1579.8**
Stddev	2.6	68.	35.	3.3
%RSD	.06288	.12665	.33648	.20676
#1	4074.4	53921.	10354.	1583.5
#2	4073.4	54008.	10325.	1577.4
#3	4078.2	54056.	10285.	1578.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 14:48:38 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2452**	**38.35**	**1.965**	**1.980**	**1.926**	**1.963**	**1.974**	**38.61**	**1.961**
Stddev	.0006	.09	.010	.008	.002	.004	.003	.07	.002
%RSD	.2274	.2284	.4983	.4069	.1070	.2273	.1269	.1886	.0754
#1	.2446	38.45	1.956	1.974	1.926	1.968	1.975	38.69	1.963
#2	.2457	38.32	1.965	1.976	1.928	1.964	1.971	38.58	1.960
#3	.2453	38.28	1.975	1.989	1.924	1.959	1.976	38.56	1.960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.998**	**1.978**	**1.987**	**1.889**	**39.35**	**37.94**	**1.932**	**38.61**	**2.000**
Stddev	.005	.003	.002	.005	.09	.08	.004	.17	.004
%RSD	.2512	.1710	.1058	.2507	.2264	.2137	.2276	.4503	.2044
#1	1.999	1.976	1.988	1.884	39.41	38.02	1.933	38.61	1.999
#2	2.002	1.982	1.988	1.894	39.39	37.92	1.936	38.78	2.004
#3	1.992	1.975	1.984	1.891	39.25	37.86	1.927	38.43	1.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**38.51**	**1.968**	**1.902**	**2.006**	**1.934**	**1.990**	**1.914**	**5.213**
Stddev	.010	.07	.001	.018	.004	.005	.008	.016	.012
%RSD	.4862	.1874	.0359	.9252	.2251	.2782	.3933	.8233	.2229
#1	1.994	38.58	1.967	1.919	2.002	1.928	1.981	1.900	5.208
#2	2.004	38.52	1.968	1.903	2.011	1.937	1.993	1.910	5.204
#3	2.013	38.44	1.969	1.884	2.006	1.938	1.996	1.931	5.226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 14:48:38 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**1.924**	**1.998**	**1.950**	**1.965**	**2.005**	**1.996**	**1.993**
Stddev	.008	.004	.001	.089	.003	.005	.007	.002
%RSD	.4035	.2082	.0534	4.542	.1633	.2324	.3629	.0885
#1	2.009	1.925	1.998	1.858	1.962	1.999	1.988	1.991
#2	2.018	1.927	1.998	1.956	1.968	2.007	1.998	1.995
#3	2.026	1.919	1.996	2.035	1.964	2.008	2.003	1.994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4576.9**	**58129.**	**10453.**	**1690.3**
Stddev	5.2	170.	46.	2.0
%RSD	.11383	.29274	.43764	.12024
#1	4576.0	58086.	10400.	1688.7
#2	4572.2	57984.	10478.	1689.5
#3	4582.5	58316.	10480.	1692.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 14:53:27 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0109**	**-.0001**	**.0021**	**.0001**	**.0000**	**-.0006**	**-.0026**
Stddev	.0001	.0037	.0020	.0007	.0001	.0001	.0007	.0024
%RSD	4.877	34.31	2002.	35.76	76.31	299.5	121.7	90.54
#1	-.0011	-.0084	.0017	.0015	.0000	.0001	-.0015	-.0020
#2	-.0010	-.0090	-.0022	.0029	.0001	.0001	-.0001	-.0052
#3	-.0010	-.0151	.0002	.0018	.0001	-.0001	-.0003	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0004**	**-.0001**	**-.0002**	**-.0005**	**.0061**	**.0000**	**.0004**
Stddev	.0003	.0006	.0004	.0003	.0002	.0007	.0202	.0008
%RSD	288.2	168.6	265.3	144.9	39.98	12.02	222000.	212.5
#1	.0003	-.0003	.0001	-.0005	-.0003	.0058	.0111	-.0000
#2	.0001	.0006	-.0006	.0001	-.0007	.0070	.0122	.0013
#3	-.0002	.0008	.0001	-.0002	-.0006	.0056	-.0233	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0261**	**.0001**	**.0005**	**-.0015**	**.0003**	**.0094**	**-.0001**	**-.0019**
Stddev	.0192	.0001	.0005	.0060	.0002	.0019	.0011	.0046
%RSD	73.45	153.2	110.8	401.9	56.16	20.50	1762.	247.0
#1	.0042	.0001	.0001	-.0068	.0002	.0077	.0009	.0015
#2	.0401	.0000	.0011	.0049	.0002	.0089	.0001	.0000
#3	.0340	-.0000	.0003	-.0026	.0005	.0114	-.0012	-.0071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 14:53:27 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0023**	**.0006**	**-.0017**	**.0001**	**.0002**	F **-.0030**	**.0002**
Stddev	.0009	.0024	.0004	.0002	.0000	.0002	.0012	.0003
%RSD	318.8	103.3	70.97	13.95	18.91	91.26	39.05	139.5
#1	.0005	-.0041	.0010	-.0015	.0001	.0004	-.0026	-.0001
#2	-.0012	-.0032	.0007	-.0019	.0001	.0001	-.0021	.0002
#3	-.0001	.0004	.0001	-.0018	.0001	.0001	-.0044	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0019	
Low Limit							-.0019	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0018**	**-.0004**	**-.0001**
Stddev	.0008	.0003	.0001
%RSD	47.14	65.34	210.5
#1	.0009	-.0005	-.0001
#2	.0019	-.0001	.0001
#3	.0026	-.0007	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5018.2**	**60173.**	**10511.**	**1740.6**
Stddev	9.4	88.	3.	2.0
%RSD	.18777	.14585	.03231	.11644
#1	5026.1	60208.	10515.	1741.0
#2	5020.8	60073.	10510.	1738.4
#3	5007.8	60238.	10509.	1742.4

Zoom In Zoom Out

Sample Name: mp35042-mb1conf Acquired: 9/13/2022 14:58:39 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0004**	**.0008**	**.0015**	**-.0001**	**.0000**	**-.0006**	**.0006**	**.0001**
Stddev	.0003	.0064	.0010	.0004	.0001	.0001	.0009	.0021	.0000
%RSD	29.78	1681.	124.2	27.14	207.3	341.5	140.9	321.3	25.80
#1	-.0006	-.0003	.0009	.0018	-.0001	-.0000	-.0014	.0002	.0001
#2	-.0011	.0071	-.0003	.0011	.0001	.0001	.0003	.0029	.0002
#3	-.0011	-.0056	.0017	.0018	-.0002	.0000	-.0009	-.0012	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**-.0002**	**-.0007**	**.0038**	**-.0154**	**.0008**	**.0223**	**.0001**
Stddev	.0006	.0003	.0001	.0006	.0008	.0112	.0005	.0170	.0000
%RSD	3427.	394.8	84.73	85.28	19.93	72.92	58.83	76.40	11.51
#1	.0006	.0001	-.0002	-.0000	.0042	-.0276	.0004	.0043	.0001
#2	-.0000	.0001	-.0003	-.0010	.0043	-.0057	.0013	.0243	.0001
#3	-.0005	-.0004	-.0000	-.0012	.0029	-.0128	.0007	.0382	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0017**	**.0001**	**.0114**	**-.0014**	**-.0046**	**-.0004**	**-.0016**	**.0150**
Stddev	.0002	.0013	.0003	.0007	.0004	.0055	.0005	.0025	.0003
%RSD	92.00	73.59	390.5	6.279	32.89	118.6	120.7	154.6	1.753
#1	.0001	.0027	.0004	.0106	-.0011	-.0088	-.0009	-.0012	.0152
#2	.0005	.0021	.0001	.0118	-.0011	-.0066	-.0005	-.0042	.0151
#3	.0001	.0003	-.0002	.0119	-.0019	.0016	.0001	.0007	.0147

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**.0001**	**-.0012**	**.0002**	**.0009**	**.0021**	**.0002**
Stddev	.0005	.0000	.0003	.0009	.0003	.0015	.0003	.0002
%RSD	183.9	346.4	638.2	76.27	169.5	165.3	14.80	120.9
#1	-.0008	-.0000	-.0003	-.0011	.0001	.0008	.0020	.0003
#2	.0001	.0000	.0003	-.0003	-.0001	.0024	.0024	-.0000
#3	-.0001	.0000	.0002	-.0021	.0004	-.0006	.0018	.0002

Zoom In Zoom Out

Sample Name: mp35042-mb1conf Acquired: 9/13/2022 14:58:39 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5064.7**	**60741.**	**10751.**	**1749.9**
Stddev	33.4	138.	18.	12.2
%RSD	.65995	.22669	.16965	.69472
#1	5041.8	60795.	10764.	1743.0
#2	5049.2	60585.	10730.	1742.8
#3	5103.1	60844.	10758.	1764.0

Zoom In Zoom Out

Sample Name: jd51212-6 Acquired: 9/13/2022 15:03:49 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0097**	**-.0379**	**.0516**	**.1260**	**.0046**	**-.0004**	**-.0280**	**180.4**	**.0023**
Stddev	.0046	.1433	.0172	.0115	.0014	.0005	.0046	.6	.0019
%RSD	47.14	378.4	33.34	9.135	29.83	118.4	16.55	.3318	85.28
#1	-.0098	-.1306	.0401	.1392	.0041	-.0006	-.0313	180.3	.0044
#2	-.0051	-.1103	.0714	.1181	.0061	-.0009	-.0227	181.0	.0018
#3	-.0142	.1272	.0434	.1206	.0035	.0001	-.0301	179.8	.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9728**	**.0210**	**-.0006**	**-.0072**	**22.34**	**3.894**	**.0178**	**653.5**	**15.38**
Stddev	.0348	.0019	.0014	.0028	.11	.097	.0087	1.0	.04
%RSD	3.576	8.978	236.4	39.29	.5098	2.484	48.79	.1466	.2580
#1	.9831	.0230	-.0015	-.0071	22.35	3.830	.0252	652.8	15.40
#2	.9340	.0207	-.0013	-.0102	22.45	3.848	.0200	654.6	15.33
#3	1.001	.0192	.0010	-.0045	22.22	4.006	.0082	653.1	15.40

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**9.737**	**.0223**	**1.003**	**-.0136**	**707.9**	**.0039**	**-.0348**	**9.402**
Stddev	.0055	.104	.0041	.007	.0058	4.6	.0073	.0202	.036
%RSD	121.7	1.068	18.40	.6781	42.57	.6453	188.1	58.10	.3827
#1	.0105	9.784	.0222	1.001	-.0151	710.7	-.0045	-.0422	9.371
#2	-.0003	9.809	.0265	1.011	-.0072	710.4	.0087	-.0119	9.442
#3	.0034	9.618	.0183	.9979	-.0185	702.6	.0073	-.0503	9.393

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0123**	**.2413**	**-.0047**	**-.0073**	**.0102**	**.0239**	**.0266**	**.0012**
Stddev	.0118	.0011	.0041	.0103	.0026	.0068	.0014	.0019
%RSD	95.32	.4443	88.13	140.4	26.01	28.47	5.390	157.5
#1	-.0105	.2425	-.0003	-.0178	.0125	.0285	.0260	.0026
#2	-.0016	.2406	-.0084	-.0070	.0107	.0271	.0255	.0019
#3	-.0249	.2407	-.0053	.0028	.0073	.0161	.0282	-.0009

Zoom In Zoom Out

Sample Name: jd51212-6 Acquired: 9/13/2022 15:03:49 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4791.1**	**58897.**	**10425.**	**1702.1**
Stddev	7.6	207.	63.	9.1
%RSD	.15919	.35133	.60244	.53653
#1	4782.4	58837.	10398.	1694.8
#2	4796.5	59128.	10380.	1699.3
#3	4794.4	58727.	10497.	1712.4

Zoom In Zoom Out

Sample Name: jd51212-6f Acquired: 9/13/2022 15:08:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0094**	**-.0338**	**.0303**	**.1279**	**-.0017**	**-.0004**	**.0041**	**214.1**	**.0044**
Stddev	.0045	.0775	.0148	.0019	.0011	.0008	.0150	2.6	.0034
%RSD	47.65	229.0	48.93	1.465	66.12	235.0	362.2	1.219	77.08
#1	-.0126	.0520	.0214	.1259	-.0029	-.0001	-.0110	216.7	.0037
#2	-.0043	-.0547	.0220	.1295	-.0008	.0003	.0189	214.1	.0014
#3	-.0115	-.0988	.0474	.1283	-.0013	-.0013	.0045	211.5	.0081

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.173**	**.0033**	**-.0036**	**-.0057**	**1.561**	**4.166**	**.0132**	**717.3**	**18.53**
Stddev	.047	.0044	.0047	.0041	.019	.104	.0114	7.4	.12
%RSD	3.979	131.5	130.9	72.21	1.201	2.490	85.89	1.038	.6581
#1	1.222	-.0003	-.0069	-.0048	1.570	4.064	.0164	724.2	18.67
#2	1.129	.0021	.0018	-.0102	1.574	4.271	.0226	718.2	18.51
#3	1.167	.0082	-.0056	-.0021	1.540	4.164	.0006	709.4	18.43

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**10.60**	**.0081**	**.1670**	**-.0089**	**753.8**	**-.0033**	**-.0004**	**9.814**
Stddev	.0039	.19	.0050	.0200	.0108	.7	.0118	.0258	.031
%RSD	92.42	1.749	62.08	11.98	121.5	.0921	360.4	6879.	.3151
#1	.0020	10.76	.0090	.1440	-.0177	754.6	.0103	.0156	9.798
#2	.0018	10.65	.0027	.1777	.0032	753.6	-.0113	.0133	9.794
#3	.0086	10.39	.0125	.1795	-.0122	753.2	-.0088	-.0301	9.849

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0160**	**.2765**	**-.0036**	**-.0151**	**.0050**	**.0250**	**.0101**	**.0028**
Stddev	.0042	.0040	.0036	.0105	.0019	.0031	.0005	.0017
%RSD	25.97	1.451	99.60	69.87	37.39	12.25	5.375	61.96
#1	-.0121	.2800	-.0016	-.0030	.0044	.0237	.0104	.0044
#2	-.0156	.2775	-.0077	-.0200	.0035	.0285	.0094	.0030
#3	-.0204	.2721	-.0014	-.0222	.0071	.0228	.0103	.0010

Zoom In Zoom Out

Sample Name: jd51212-6f Acquired: 9/13/2022 15:08:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4769.3**	**58879.**	**10453.**	**1688.4**
Stddev	5.0	117.	31.	2.2
%RSD	.10555	.19862	.29833	.13171
#1	4768.1	58811.	10458.	1690.7
#2	4765.0	58811.	10420.	1686.3
#3	4774.8	59014.	10482.	1688.2

Zoom In Zoom Out

Sample Name: mp35044-sd1 Acquired: 9/13/2022 15:14:01 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0041**	**.9100**	**.0027**	**.4261**	**.0331**	**-.0000**	**-.0095**	**150.7**	**-.0001**
Stddev	.0026	.0435	.0064	.0075	.0005	.0002	.0051	.6	.0010
%RSD	63.85	4.780	232.6	1.772	1.517	488.6	53.83	.4262	1465.
#1	-.0051	.8932	-.0025	.4252	.0332	-.0001	-.0152	151.4	-.0010
#2	-.0061	.8774	.0098	.4341	.0326	-.0003	-.0076	150.3	.0009
#3	-.0011	.9594	.0009	.4191	.0335	.0002	-.0055	150.4	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0413**	**.0015**	**.0030**	**.0022**	**2.537**	**4.982**	**.0118**	**36.79**	**.1664**
Stddev	.0072	.0007	.0029	.0031	.007	.075	.0039	.11	.0003
%RSD	17.32	44.53	96.65	143.5	.2746	1.511	32.94	.2946	.1929
#1	.0493	.0008	.0022	-.0011	2.544	5.037	.0102	36.82	.1667
#2	.0394	.0021	.0062	.0051	2.537	4.896	.0162	36.88	.1661
#3	.0353	.0015	.0005	.0025	2.530	5.013	.0090	36.67	.1665

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046**	**125.4**	**.0019**	**.0870**	**-.0047**	**153.8**	**-.0056**	**-.0187**	**7.269**
Stddev	.0011	.2	.0026	.0083	.0104	.3	.0060	.0012	.024
%RSD	24.51	.1529	137.6	9.569	222.1	.2056	107.4	6.466	.3242
#1	.0056	125.4	.0046	.0780	.0055	153.5	.0013	-.0174	7.242
#2	.0046	125.1	.0015	.0944	-.0153	154.0	-.0096	-.0198	7.277
#3	.0034	125.5	-.0005	.0886	-.0042	154.0	-.0085	-.0189	7.287

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0090**	**.3810**	**.0551**	**-.0023**	**.0055**	**.0148**	**.0395**	**.0001**
Stddev	.0036	.0013	.0026	.0061	.0022	.0007	.0012	.0000
%RSD	39.55	.3497	4.756	269.7	40.22	4.685	2.938	14.08
#1	-.0069	.3801	.0526	.0031	.0046	.0140	.0405	.0001
#2	-.0131	.3825	.0578	-.0089	.0081	.0149	.0397	.0001
#3	-.0070	.3803	.0547	-.0009	.0039	.0154	.0382	.0001

Zoom In Zoom Out

Sample Name: mp35044-sd1 Acquired: 9/13/2022 15:14:01 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4807.1**	**59099.**	**10536.**	**1700.8**
Stddev	8.3	124.	39.	4.7
%RSD	.17184	.20941	.37121	.27527
#1	4814.2	59197.	10491.	1705.6
#2	4808.9	59139.	10565.	1700.6
#3	4798.0	58960.	10551.	1696.2

Zoom In Zoom Out

Sample Name: jd51279-3 1 Acquired: 9/13/2022 15:19:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**.5501**	**.0570**	**1.228**	**.1799**	**-.0000**	**-.0019**	**235.0**	**.0003**
Stddev	.0010	.0150	.0032	.002	.0002	.0001	.0030	.5	.0002
%RSD	18.80	2.726	5.619	.1812	.1303	7368.	154.8	.1986	56.67
#1	.0043	.5672	.0602	1.226	.1799	-.0001	-.0039	235.2	.0002
#2	.0063	.5390	.0571	1.227	.1801	.0002	-.0033	235.3	.0003
#3	.0058	.5441	.0538	1.230	.1796	-.0000	.0015	234.4	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1483**	**.0017**	**.0026**	**.0131**	**9.887**	**86.18**	**.0540**	**278.6**	**1.771**
Stddev	.0030	.0003	.0005	.0005	.024	.23	.0009	.3	.005
%RSD	2.034	15.83	21.07	3.485	.2456	.2612	1.718	.1210	.2829
#1	.1511	.0016	.0028	.0126	9.868	85.95	.0544	278.7	1.775
#2	.1451	.0014	.0029	.0134	9.914	86.40	.0547	278.9	1.772
#3	.1488	.0019	.0019	.0134	9.878	86.19	.0530	278.2	1.765

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	F **2134.**	**.0100**	**.3572**	**-.0035**	F **254.5**	**-.0005**	**-.0029**	**10.51**
Stddev	.0008	14.	.0011	.0057	.0011	.9	.0021	.0014	.02
%RSD	20.11	.6752	10.55	1.591	30.87	.3369	390.5	49.33	.1850
#1	.0033	2119.	.0112	.3506	-.0024	254.1	-.0028	-.0036	10.53
#2	.0035	2147.	.0098	.3607	-.0035	253.8	.0014	-.0013	10.50
#3	.0048	2137.	.0091	.3602	-.0046	255.4	-.0002	-.0039	10.51

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0070**	**2.663**	**-.0013**	**.0076**	**.0035**	**.0176**	**.1016**	**-.0009**
Stddev	.0010	.004	.0008	.0048	.0009	.0009	.0004	.0004
%RSD	14.95	.1677	62.74	62.84	24.77	5.318	.4321	41.49
#1	-.0068	2.661	-.0005	.0082	.0026	.0165	.1012	-.0013
#2	-.0081	2.669	-.0013	.0026	.0043	.0183	.1020	-.0007
#3	-.0060	2.660	-.0021	.0121	.0035	.0179	.1018	-.0007

Zoom In Zoom Out

Sample Name: jd51279-3 1 Acquired: 9/13/2022 15:19:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3879.9**	**53351.**	**10129.**	**1516.4**
Stddev	5.4	61.	10.	2.3
%RSD	.13913	.11500	.09756	.14954
#1	3881.5	53369.	10118.	1516.4
#2	3884.4	53283.	10138.	1518.7
#3	3873.9	53401.	10130.	1514.2

Zoom In Zoom Out

Sample Name: jd51348-1 1 Acquired: 9/13/2022 15:24:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**-.0237**	**.0250**	**1.607**	**.2434**	**.0003**	**-.0081**	**250.2**	**-.0025**
Stddev	.0015	.0868	.0167	.007	.0005	.0007	.0087	.2	.0020
%RSD	28.22	366.0	66.72	.4116	.2084	234.7	107.7	.0915	81.12
#1	.0046	.0609	.0139	1.615	.2433	-.0003	-.0175	250.4	-.0015
#2	.0044	-.1125	.0169	1.604	.2429	.0010	-.0002	250.2	-.0048
#3	.0071	-.0195	.0442	1.603	.2439	.0001	-.0066	249.9	-.0011

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0495**	**-.0052**	**.0007**	**.0095**	**.1614**	**190.8**	**.1239**	**395.0**	**.0271**
Stddev	.0134	.0033	.0077	.0030	.0171	.7	.0069	.9	.0009
%RSD	27.11	62.99	1069.	31.54	10.59	.3777	5.530	.2322	3.247
#1	.0346	-.0090	-.0080	.0061	.1419	191.6	.1298	395.3	.0265
#2	.0605	-.0034	.0037	.0116	.1736	190.6	.1255	395.7	.0281
#3	.0535	-.0032	.0064	.0108	.1687	190.3	.1164	394.0	.0268

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0165**	F **4917.**	**-.0071**	**.1813**	**-.0090**	**462.1**	**-.0043**	**-.0259**	**1.986**
Stddev	.0008	40.	.0040	.0131	.0182	1.1	.0282	.0105	.018
%RSD	4.808	.8177	56.33	7.216	203.0	.2281	650.4	40.56	.9194
#1	.0156	4942.	-.0038	.1809	.0074	462.8	-.0201	-.0270	1.981
#2	.0167	4939.	-.0060	.1946	-.0286	460.9	.0283	-.0359	2.006
#3	.0171	4871.	-.0115	.1685	-.0057	462.6	-.0212	-.0149	1.970

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0306**	**3.412**	**-.0066**	**-.0073**	**-.0020**	**.0224**	**.0227**	**-.0021**
Stddev	.0061	.011	.0025	.0230	.0018	.0157	.0025	.0017
%RSD	19.95	.3185	37.39	317.3	89.91	70.01	11.12	77.57
#1	-.0250	3.424	-.0047	-.0338	-.0028	.0259	.0246	-.0026
#2	-.0371	3.409	-.0057	.0074	-.0032	.0053	.0235	-.0003
#3	-.0297	3.404	-.0094	.0046	.0001	.0362	.0198	-.0036

Zoom In Zoom Out

Sample Name: jd51348-1 1 Acquired: 9/13/2022 15:24:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4211.2**	**55489.**	**10274.**	**1603.2**
Stddev	5.7	79.	62.	2.8
%RSD	.13481	.14175	.60508	.17658
#1	4204.9	55575.	10268.	1601.7
#2	4216.0	55420.	10214.	1606.5
#3	4212.7	55472.	10338.	1601.4

Zoom In Zoom Out

Sample Name: mp35049-mb1conf Acquired: 9/13/2022 15:29:32 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**-.0015**	**.0008**	**.0021**	**.0006**	**-.0001**	**-.0007**	**.0143**	**-.0000**
Stddev	.0001	.0012	.0011	.0014	.0002	.0001	.0015	.0013	.0000
%RSD	7.271	83.38	134.5	64.19	31.61	123.0	214.3	8.788	117.6
#1	-.0015	-.0028	-.0003	.0032	.0005	-.0001	.0010	.0157	.0000
#2	-.0015	-.0012	.0019	.0006	.0005	.0000	-.0012	.0136	-.0000
#3	-.0013	-.0004	.0009	.0026	.0008	-.0001	-.0018	.0134	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0030**	**.0000**	**-.0003**	**-.0004**	**.0109**	**.0481**	**.0022**	**.0281**	**.0002**
Stddev	.0035	.0003	.0003	.0004	.0005	.0269	.0005	.0067	.0001
%RSD	114.8	841.6	122.1	111.5	4.691	55.92	23.36	23.65	21.69
#1	.0058	.0001	-.0005	-.0008	.0112	.0689	.0017	.0283	.0003
#2	.0041	.0003	-.0005	.0001	.0112	.0578	.0022	.0214	.0002
#3	-.0009	-.0003	.0001	-.0004	.0103	.0177	.0027	.0347	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.1202**	**-.0002**	**.0105**	**-.0008**	**.0049**	**.0018**	**-.0019**	**.0190**
Stddev	.0003	.0031	.0003	.0017	.0012	.0023	.0014	.0022	.0009
%RSD	76.97	2.595	152.9	16.09	160.5	45.92	79.63	117.8	4.941
#1	.0007	.1238	.0001	.0089	-.0007	.0047	.0002	-.0007	.0181
#2	.0001	.1187	-.0006	.0103	-.0020	.0073	.0028	-.0044	.0190
#3	.0004	.1181	-.0001	.0122	.0004	.0028	.0023	-.0005	.0199

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0000**	**.0002**	**-.0012**	**.0001**	**-.0011**	**.0011**	**-.0000**
Stddev	.0011	.0000	.0003	.0021	.0002	.0010	.0001	.0001
%RSD	84.03	146.5	143.4	172.8	305.6	95.11	9.554	204.6
#1	-.0013	.0000	.0006	.0000	.0002	.0001	.0012	.0000
#2	-.0024	-.0000	.0001	-.0000	.0002	-.0017	.0011	-.0001
#3	-.0002	.0001	-.0000	-.0036	-.0002	-.0017	.0011	-.0000

Zoom In Zoom Out

Sample Name: mp35049-mb1conf Acquired: 9/13/2022 15:29:32 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5037.1**	**60918.**	**10767.**	**1741.8**
Stddev	5.3	77.	45.	1.9
%RSD	.10609	.12674	.42074	.10822
#1	5036.0	60959.	10723.	1740.6
#2	5032.4	60967.	10813.	1740.8
#3	5042.9	60829.	10765.	1744.0

Zoom In Zoom Out

Sample Name: jd51290-1 7 Acquired: 9/13/2022 15:34:41 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.5777**	**.0113**	**2.168**	**.0321**	**-.0000**	**-.0121**	**85.96**	**-.0013**
Stddev	.0006	.0219	.0095	.007	.0005	.0000	.0080	.18	.0003
%RSD	182.2	3.783	84.53	.3221	1.608	90.32	66.62	.2073	20.04
#1	.0007	.5814	.0019	2.174	.0317	.0000	-.0030	86.10	-.0015
#2	-.0004	.5976	.0110	2.160	.0320	-.0001	-.0148	86.02	-.0014
#3	.0007	.5543	.0209	2.169	.0327	-.0001	-.0184	85.76	-.0010

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0168**	**-.0015**	**.0029**	**.0028**	**.0566**	**80.08**	**.0553**	**221.3**	**.0060**
Stddev	.0084	.0001	.0003	.0016	.0019	.19	.0051	.9	.0002
%RSD	50.11	7.466	10.67	56.09	3.312	.2423	9.142	.4228	3.511
#1	.0071	-.0015	.0026	.0027	.0555	80.29	.0503	221.8	.0058
#2	.0224	-.0015	.0032	.0045	.0556	80.05	.0604	221.8	.0059
#3	.0208	-.0017	.0028	.0014	.0588	79.90	.0551	220.2	.0062

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	F **2255.**	**.0009**	**.1132**	**-.0042**	**225.3**	**-.0023**	**.0011**	**5.749**
Stddev	.0010	12.	.0011	.0146	.0117	.3	.0051	.0110	.011
%RSD	43.86	.5430	121.4	12.89	279.5	.1396	216.4	1003.	.1823
#1	.0028	2249.	.0011	.1264	-.0050	225.5	-.0034	-.0115	5.747
#2	.0012	2248.	.0020	.0975	.0079	224.9	-.0068	.0063	5.740
#3	.0031	2269.	-.0003	.1156	-.0154	225.4	.0032	.0085	5.760

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**2.215**	**-.0052**	**.0035**	**.0022**	**.0095**	**.0189**	**-.0009**
Stddev	.0040	.003	.0012	.0098	.0016	.0036	.0009	.0002
%RSD	244.2	.1472	23.15	281.0	71.60	38.36	4.581	17.38
#1	.0010	2.214	-.0064	.0036	.0031	.0065	.0196	-.0011
#2	.0003	2.219	-.0053	-.0064	.0004	.0084	.0179	-.0008
#3	-.0062	2.213	-.0040	.0132	.0032	.0136	.0191	-.0009

Zoom In Zoom Out

Sample Name: jd51290-1 7 Acquired: 9/13/2022 15:34:41 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4250.1**	**55958.**	**10281.**	**1613.9**
Stddev	2.7	60.	37.	2.4
%RSD	.06458	.10764	.35924	.14934
#1	4252.9	55896.	10238.	1612.0
#2	4250.0	55961.	10304.	1616.6
#3	4247.4	56016.	10299.	1613.2

Zoom In Zoom Out

Sample Name: jd51290-2 Acquired: 9/13/2022 15:39:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0921**	**.0392**	**2.888**	**.0088**	**-.0001**	**-.0020**	**42.55**	**-.0012**
Stddev	.0011	.0548	.0028	.011	.0003	.0005	.0053	.37	.0006
%RSD	148.0	59.48	7.228	.3713	3.614	681.0	264.2	.8585	48.54
#1	-.0019	.0335	.0424	2.886	.0087	-.0003	-.0054	42.92	-.0019
#2	-.0008	.1008	.0375	2.879	.0085	-.0004	.0041	42.54	-.0010
#3	.0004	.1421	.0376	2.900	.0092	.0005	-.0048	42.19	-.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0144**	**-.0002**	**-.0045**	**.0043**	**.0429**	**83.25**	**.0427**	**230.5**	**-.0002**
Stddev	.0176	.0008	.0003	.0003	.0095	.43	.0043	1.2	.0001
%RSD	121.9	430.1	6.438	6.461	22.09	.5111	9.997	.5384	21.77
#1	-.0037	-.0011	-.0049	.0046	.0333	83.74	.0473	231.9	-.0002
#2	.0156	.0003	-.0043	.0041	.0431	83.03	.0388	230.1	-.0002
#3	.0315	.0003	-.0044	.0042	.0523	82.98	.0420	229.5	-.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1978**	F **1965.**	**-.0001**	**.0656**	**-.0086**	**299.9**	**.0057**	**-.0141**	**5.126**
Stddev	.0014	35.	.0001	.0100	.0019	.6	.0093	.0089	.017
%RSD	.7294	1.781	118.4	15.21	22.25	.2046	162.0	62.90	.3252
#1	.1980	2000.	-.0002	.0566	-.0097	300.6	-.0017	-.0211	5.108
#2	.1963	1930.	-.0002	.0640	-.0097	299.4	.0027	-.0041	5.140
#3	.1992	1964.	.0000	.0763	-.0064	299.8	.0162	-.0170	5.130

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0088**	**1.216**	**-.0016**	**-.0094**	**-.0009**	**.0065**	**.0190**	**-.0013**
Stddev	.0063	.007	.0035	.0082	.0020	.0044	.0015	.0010
%RSD	72.05	.6204	215.0	87.03	220.6	67.65	8.094	72.67
#1	-.0027	1.224	.0005	-.0159	.0013	.0017	.0205	-.0017
#2	-.0153	1.213	.0002	-.0002	-.0014	.0103	.0175	-.0021
#3	-.0082	1.210	-.0056	-.0122	-.0026	.0075	.0189	-.0002

Zoom In Zoom Out

Sample Name: jd51290-2 Acquired: 9/13/2022 15:39:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4306.4**	**56341.**	**10371.**	**1624.3**
Stddev	6.0	72.	53.	2.7
%RSD	.13940	.12782	.50755	.16606
#1	4301.9	56337.	10326.	1622.7
#2	4313.2	56271.	10429.	1627.4
#3	4304.1	56415.	10360.	1622.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 15:45:09 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2459**	**38.36**	**1.953**	**1.978**	**1.927**	**1.962**	**1.973**	**38.55**	**1.958**
Stddev	.0004	.12	.007	.000	.005	.006	.001	.05	.005
%RSD	.1621	.3176	.3825	.0126	.2473	.3070	.0679	.1290	.2524
#1	.2454	38.49	1.961	1.978	1.930	1.967	1.974	38.61	1.963
#2	.2461	38.32	1.948	1.978	1.929	1.963	1.973	38.52	1.957
#3	.2462	38.25	1.948	1.978	1.921	1.955	1.971	38.52	1.953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.011**	**1.978**	**1.990**	**1.898**	**39.31**	**37.94**	**1.944**	**38.38**	**2.001**
Stddev	.004	.002	.002	.002	.10	.16	.004	.07	.004
%RSD	.1909	.0909	.1032	.1265	.2441	.4151	.2051	.1900	.1736
#1	2.010	1.979	1.992	1.896	39.37	38.02	1.949	38.47	2.005
#2	2.015	1.979	1.990	1.897	39.36	38.05	1.943	38.35	1.998
#3	2.007	1.976	1.988	1.901	39.20	37.76	1.941	38.33	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.993**	**38.54**	**1.973**	**1.899**	**2.008**	**1.929**	**1.984**	**1.902**	**5.205**
Stddev	.003	.12	.002	.015	.004	.016	.004	.003	.004
%RSD	.1393	.3041	.0866	.8001	.2265	.8263	.2209	.1659	.0772
#1	1.994	38.60	1.975	1.881	2.012	1.918	1.986	1.902	5.201
#2	1.995	38.61	1.971	1.907	2.009	1.921	1.979	1.899	5.207
#3	1.990	38.40	1.974	1.908	2.003	1.947	1.987	1.906	5.208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 15:45:09 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.000**	**1.924**	**2.002**	**1.850**	**1.968**	**1.999**	**1.990**	**2.000**
Stddev	.003	.004	.002	.014	.004	.002	.003	.001
%RSD	.1617	.2080	.0982	.7278	.2122	.1102	.1401	.0378
#1	2.003	1.926	2.003	1.845	1.971	2.001	1.992	2.001
#2	2.001	1.927	2.002	1.839	1.963	1.999	1.990	1.999
#3	1.997	1.920	1.999	1.865	1.968	1.997	1.987	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4583.1**	**58279.**	**10572.**	**1695.2**
Stddev	8.4	32.	43.	1.5
%RSD	.18262	.05489	.40313	.08727
#1	4577.3	58247.	10530.	1693.5
#2	4592.7	58311.	10570.	1696.4
#3	4579.3	58280.	10615.	1695.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 15:49:57 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0113**	**-.0007**	**.0030**	**.0002**	**.0000**	**.0000**	**-.0066**	**.0001**
Stddev	.0002	.0124	.0003	.0003	.0002	.0000	.0014	.0036	.0003
%RSD	20.61	110.2	43.52	10.89	119.2	106.1	5722.	54.68	285.1
#1	-.0009	-.0251	-.0005	.0033	.0003	.0000	-.0003	-.0026	.0001
#2	-.0008	-.0078	-.0011	.0028	-.0001	.0001	.0015	-.0095	-.0002
#3	-.0006	-.0010	-.0006	.0027	.0004	.0000	-.0012	-.0077	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**.0000**	**-.0002**	**-.0004**	**.0042**	**.0017**	**.0008**	**.0226**	**.0001**
Stddev	.0033	.0002	.0002	.0002	.0017	.0121	.0011	.0029	.0000
%RSD	113.4	690.5	85.84	56.34	39.67	733.0	127.7	13.02	31.10
#1	.0058	-.0001	-.0003	-.0002	.0060	.0080	-.0004	.0257	.0001
#2	-.0007	-.0001	-.0000	-.0005	.0027	-.0123	.0014	.0222	.0001
#3	.0037	.0002	-.0003	-.0007	.0038	.0093	.0015	.0198	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0475**	**.0001**	**.0069**	**-.0008**	**-.0032**	**.0008**	**.0003**	**.0010**
Stddev	.0003	.0025	.0001	.0016	.0008	.0053	.0014	.0013	.0013
%RSD	56.38	5.242	267.9	23.10	109.4	165.8	176.9	464.5	129.6
#1	.0007	.0453	-.0000	.0078	.0001	-.0085	.0021	.0000	.0010
#2	.0003	.0471	.0002	.0050	-.0009	.0020	.0010	.0016	.0023
#3	.0003	.0502	-.0001	.0078	-.0015	-.0030	-.0007	-.0008	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 15:49:57 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**.0001**	**-.0003**	**.0001**	**.0003**	**.0013**	**-.0004**	**.0001**
Stddev	.0010	.0000	.0001	.0006	.0002	.0016	.0001	.0001
%RSD	84.80	31.28	20.31	547.1	58.46	123.4	32.93	113.1
#1	-.0021	.0001	-.0003	.0006	.0001	.0006	-.0003	.0001
#2	-.0014	.0001	-.0003	-.0006	.0005	.0002	-.0004	.0002
#3	-.0001	.0001	-.0002	.0004	.0004	.0032	-.0006	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5041.2**	**60440.**	**10593.**	**1741.0**
Stddev	2.8	179.	47.	.3
%RSD	.05591	.29667	.44321	.01748
#1	5042.6	60460.	10583.	1741.3
#2	5043.0	60252.	10644.	1740.8
#3	5038.0	60609.	10551.	1740.7

Zoom In Zoom Out

Sample Name: jd51290-3 Acquired: 9/13/2022 15:55:09 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0126**	**.0526**	**.0181**	**8.269**	**.0493**	**.0001**	**-.0077**	**186.8**	**.0006**
Stddev	.0008	.0051	.0044	.033	.0014	.0002	.0063	.7	.0012
%RSD	6.351	9.745	24.34	.3999	2.933	339.2	82.37	.3884	189.6
#1	.0117	.0507	.0150	8.299	.0509	-.0001	-.0061	187.3	.0004
#2	.0132	.0583	.0231	8.234	.0483	-.0001	-.0023	187.1	.0019
#3	.0130	.0486	.0162	8.276	.0486	.0003	-.0147	186.0	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0578**	**-.0008**	**.0036**	**.0061**	**2.996**	**220.8**	**.1257**	**755.1**	**.0271**
Stddev	.0151	.0013	.0044	.0021	.017	1.0	.0047	3.4	.0005
%RSD	26.19	165.1	122.7	34.36	.5726	.4571	3.712	.4535	1.929
#1	.0751	.0005	-.0014	.0042	2.999	221.9	.1306	758.1	.0267
#2	.0510	-.0008	.0055	.0083	2.978	220.5	.1213	755.8	.0277
#3	.0473	-.0021	.0066	.0056	3.012	220.0	.1252	751.3	.0269

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0196**	F **6687.**	**.0258**	**.1153**	**-.0018**	**396.5**	**.0008**	**.0016**	**6.675**
Stddev	.0022	78.	.0023	.0047	.0061	1.4	.0035	.0032	.030
%RSD	11.42	1.160	9.031	4.096	334.6	.3469	436.4	196.6	.4575
#1	.0212	6775.	.0260	.1098	-.0079	397.8	.0018	.0050	6.706
#2	.0170	6653.	.0280	.1183	.0043	395.0	.0037	.0011	6.645
#3	.0205	6632.	.0233	.1177	-.0018	396.6	-.0031	-.0013	6.675

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0105**	**6.931**	**-.0029**	**.0056**	**-.0002**	**.0284**	**.0110**	**.0001**
Stddev	.0042	.032	.0009	.0084	.0014	.0049	.0016	.0007
%RSD	40.10	.4596	30.18	150.4	600.1	17.39	14.49	1148.
#1	-.0077	6.966	-.0028	.0150	-.0018	.0331	.0092	.0003
#2	-.0085	6.921	-.0021	.0030	.0003	.0233	.0122	-.0007
#3	-.0153	6.905	-.0039	-.0012	.0009	.0287	.0116	.0006

Zoom In Zoom Out

Sample Name: jd51290-3 Acquired: 9/13/2022 15:55:09 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3847.5**	**52923.**	**10162.**	**1515.6**
Stddev	5.7	78.	11.	4.3
%RSD	.14715	.14717	.11083	.28417
#1	3845.2	52834.	10150.	1517.2
#2	3843.4	52975.	10163.	1518.8
#3	3854.0	52961.	10172.	1510.7

Zoom In Zoom Out

Sample Name: jd51290-4 Acquired: 9/13/2022 16:00:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0073**	**.0113**	**2.116**	**.0309**	**-.0001**	**-.0075**	**82.76**	**-.0004**
Stddev	.0018	.0438	.0080	.015	.0005	.0002	.0005	.22	.0031
%RSD	1868.	597.2	71.35	.6843	1.615	329.6	6.899	.2640	723.4
#1	-.0018	-.0455	.0049	2.101	.0311	-.0001	-.0071	83.01	.0032
#2	.0003	.0405	.0203	2.116	.0304	.0002	-.0074	82.67	-.0024
#3	.0018	-.0170	.0086	2.130	.0313	-.0003	-.0081	82.61	-.0021

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0247**	**-.0024**	**-.0004**	**.0021**	**.0541**	**77.10**	**.0620**	**213.0**	**.0056**
Stddev	.0076	.0013	.0009	.0018	.0079	.12	.0029	.9	.0001
%RSD	30.56	53.25	240.1	86.01	14.60	.1586	4.634	.4154	2.112
#1	.0191	-.0027	-.0004	.0003	.0450	77.23	.0595	214.0	.0055
#2	.0333	-.0010	-.0013	.0021	.0591	77.09	.0613	212.7	.0056
#3	.0218	-.0035	.0006	.0039	.0581	76.99	.0651	212.4	.0057

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	F **2153.**	**-.0011**	**.0975**	**-.0038**	**217.5**	**-.0017**	**-.0057**	**5.527**
Stddev	.0010	29.	.0029	.0126	.0021	.6	.0013	.0029	.021
%RSD	878.1	1.330	270.7	12.91	55.68	.2866	76.06	50.63	.3816
#1	-.0002	2162.	.0023	.0913	-.0018	216.8	-.0005	-.0024	5.503
#2	.0012	2121.	-.0030	.0892	-.0060	217.9	-.0031	-.0068	5.542
#3	-.0007	2176.	-.0024	.1120	-.0036	217.8	-.0015	-.0080	5.536

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0055**	**2.119**	**-.0021**	**-.0005**	**.0021**	**.0114**	**.0112**	**-.0005**
Stddev	.0069	.003	.0018	.0100	.0013	.0034	.0013	.0002
%RSD	124.9	.1624	89.22	2153.	62.40	29.84	11.44	43.09
#1	-.0061	2.123	-.0038	-.0121	.0008	.0123	.0120	-.0003
#2	-.0121	2.117	-.0001	.0055	.0022	.0077	.0120	-.0004
#3	.0017	2.116	-.0023	.0051	.0034	.0143	.0097	-.0008

Zoom In Zoom Out

Sample Name: jd51290-4 Acquired: 9/13/2022 16:00:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4271.8**	**56182.**	**10351.**	**1618.3**
Stddev	.7	211.	98.	4.5
%RSD	.01701	.37631	.94939	.28061
#1	4271.0	55948.	10245.	1623.6
#2	4271.9	56359.	10439.	1616.0
#3	4272.4	56238.	10368.	1615.4

Zoom In Zoom Out

Sample Name: mp35047-mb1conf Acquired: 9/13/2022 16:05:34 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0007**	**-.0005**	**.0036**	**-.0001**	**-.0000**	**-.0011**	**.0094**	**.0000**
Stddev	.0003	.0036	.0008	.0011	.0000	.0000	.0015	.0011	.0002
%RSD	46.34	543.1	172.1	30.18	71.03	229.8	141.9	11.36	2667.
#1	-.0003	-.0021	-.0008	.0048	-.0000	.0000	.0006	.0084	-.0000
#2	-.0010	-.0033	.0005	.0033	-.0000	-.0000	-.0022	.0105	-.0002
#3	-.0009	.0035	-.0010	.0027	-.0001	-.0000	-.0016	.0094	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0000**	**-.0000**	**-.0006**	**.0049**	**.0431**	**.0029**	**.0213**	**.0001**
Stddev	.0017	.0002	.0003	.0001	.0019	.0125	.0004	.0092	.0000
%RSD	332.8	617.1	3859.	17.61	39.80	29.03	14.18	43.17	35.28
#1	-.0015	-.0002	.0001	-.0007	.0033	.0570	.0027	.0119	.0001
#2	.0014	-.0001	.0002	-.0005	.0070	.0325	.0026	.0303	.0001
#3	-.0015	.0002	-.0003	-.0006	.0043	.0400	.0033	.0216	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.1642**	**-.0003**	**.0103**	**-.0010**	**-.0004**	**-.0001**	**-.0008**	**.0180**
Stddev	.0002	.0083	.0004	.0001	.0003	.0062	.0006	.0011	.0019
%RSD	55.17	5.059	165.4	1.347	24.76	1677.	440.3	135.5	10.37
#1	.0002	.1678	.0001	.0104	-.0013	-.0031	.0002	-.0001	.0158
#2	.0006	.1701	-.0007	.0103	-.0010	-.0047	.0002	-.0002	.0193
#3	.0003	.1547	-.0002	.0102	-.0008	.0068	-.0008	-.0020	.0188

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0000**	**.0002**	**.0010**	**.0002**	**-.0000**	**.0013**	**-.0000**
Stddev	.0006	.0000	.0002	.0010	.0002	.0002	.0001	.0002
%RSD	117.5	35.86	135.9	104.9	94.06	447.5	4.304	733.6
#1	-.0003	.0000	.0004	.0008	.0001	.0001	.0013	.0000
#2	-.0001	.0000	.0001	.0000	.0000	.0000	.0014	-.0002
#3	-.0012	.0000	-.0000	.0020	.0004	-.0003	.0013	.0001

Zoom In Zoom Out

Sample Name: mp35047-mb1conf Acquired: 9/13/2022 16:05:34 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5046.2**	**61093.**	**10728.**	**1744.3**
Stddev	3.0	48.	21.	2.1
%RSD	.05911	.07776	.19190	.12065
#1	5045.1	61083.	10711.	1746.2
#2	5043.9	61052.	10723.	1742.0
#3	5049.5	61145.	10751.	1744.8

Zoom In Zoom Out

Sample Name: jd51356-18 Acquired: 9/13/2022 16:10:44 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0031**	**.1862**	**.0391**	**1.696**	**.0748**	**-.0004**	**-.0098**	**322.4**	**-.0002**
Stddev	.0010	.0128	.0076	.008	.0011	.0002	.0096	1.0	.0007
%RSD	32.07	6.882	19.33	.4877	1.495	56.37	97.75	.3159	286.0
#1	-.0020	.1916	.0425	1.703	.0754	-.0004	-.0050	323.5	.0005
#2	-.0038	.1716	.0444	1.699	.0755	-.0006	-.0209	322.0	-.0006
#3	-.0036	.1954	.0304	1.687	.0735	-.0002	-.0036	321.6	-.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0581**	**-.0014**	**.0028**	**.0337**	**.1056**	**1.929**	**.0991**	**38.93**	**.2773**
Stddev	.0060	.0006	.0013	.0025	.0045	.133	.0053	.26	.0005
%RSD	10.36	41.72	48.33	7.392	4.275	6.909	5.365	.6752	.1964
#1	.0628	-.0013	.0014	.0344	.1078	1.846	.0935	39.20	.2778
#2	.0513	-.0009	.0029	.0310	.1004	1.858	.1040	38.90	.2767
#3	.0603	-.0020	.0040	.0358	.1086	2.082	.0999	38.68	.2773

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0264**	**46.22**	**-.0001**	**.0620**	**-.0075**	**279.0**	**.0086**	**-.0015**	**9.791**
Stddev	.0016	.23	.0024	.0092	.0025	.3	.0018	.0167	.018
%RSD	6.055	.5065	3054.	14.87	32.94	.1203	20.48	1080.	.1839
#1	.0251	46.33	.0015	.0565	-.0102	279.2	.0065	.0167	9.796
#2	.0282	46.38	-.0028	.0569	-.0054	279.1	.0096	-.0160	9.771
#3	.0258	45.95	.0011	.0727	-.0069	278.6	.0095	-.0053	9.805

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0107**	**4.057**	**-.0009**	**.0002**	**.0063**	**.0216**	**.0763**	**-.0007**
Stddev	.0043	.015	.0011	.0083	.0014	.0054	.0010	.0010
%RSD	40.48	.3613	117.9	5274.	21.51	24.95	1.302	144.6
#1	-.0113	4.069	-.0022	-.0091	.0047	.0171	.0754	-.0003
#2	-.0061	4.061	-.0000	.0068	.0069	.0201	.0774	-.0017
#3	-.0148	4.041	-.0006	.0028	.0072	.0276	.0762	.0001

Zoom In Zoom Out

Sample Name: jd51356-18 Acquired: 9/13/2022 16:10:44 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4802.0**	**59350.**	**10603.**	**1697.0**
Stddev	5.5	95.	19.	1.0
%RSD	.11548	.16028	.17746	.05609
#1	4796.1	59285.	10600.	1696.0
#2	4807.1	59459.	10586.	1697.0
#3	4802.8	59304.	10623.	1697.9

Zoom In Zoom Out

Sample Name: jd51212-3undconf Acquired: 9/13/2022 16:15:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0847**	**.0139**	**.0431**	**.1141**	**-.0001**	**.0007**	**66.09**
Stddev	.0003	.0016	.0018	.0007	.0006	.0000	.0014	.09
%RSD	179.2	1.879	13.01	1.552	.5253	17.90	189.7	.1345
#1	-.0000	.0831	.0118	.0434	.1136	-.0001	.0001	66.06
#2	.0000	.0849	.0149	.0423	.1140	-.0000	-.0002	66.19
#3	-.0006	.0863	.0151	.0436	.1148	-.0001	.0023	66.02

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0807**	**-.0001**	**.0005**	**.0000**	**6.366**	**6.418**	**.0015**
Stddev	.0001	.0038	.0001	.0005	.0000	.036	.030	.0002
%RSD	163.8	4.659	99.98	95.72	179.4	.5670	.4630	11.54
#1	-.0002	.0841	.0000	.0008	.0000	6.340	6.388	.0015
#2	-.0000	.0812	-.0002	-.0001	-.0000	6.351	6.419	.0013
#3	.0000	.0767	-.0002	.0008	.0001	6.408	6.448	.0016

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.54**	**1.065**	**.0047**	**11.01**	**.0004**	**.1848**	**-.0001**	**32.22**
Stddev	.11	.002	.0002	.02	.0006	.0031	.0014	.09
%RSD	.5563	.1958	3.846	.1374	150.1	1.683	2447.	.2709
#1	19.47	1.064	.0048	11.00	-.0001	.1845	-.0016	32.25
#2	19.48	1.063	.0045	11.02	.0010	.1819	.0011	32.12
#3	19.66	1.067	.0049	10.99	.0003	.1881	.0004	32.29

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0244**	**6.521**	**-.0023**	**.2774**	**.0005**	**.0028**	**.0012**
Stddev	.0003	.0043	.009	.0010	.0003	.0002	.0025	.0001
%RSD	1196.	17.52	.1432	41.62	.1230	43.83	86.87	5.811
#1	.0003	.0242	6.524	-.0032	.2770	.0008	.0056	.0011
#2	-.0003	.0288	6.510	-.0024	.2775	.0003	.0022	.0013
#3	.0000	.0203	6.528	-.0013	.2777	.0005	.0008	.0011

Zoom In Zoom Out

Sample Name: jd51212-3undconf Acquired: 9/13/2022 16:15:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0196**	**.0008**	W **-.0011**
Stddev	.0017	.0003	.0001
%RSD	8.744	38.14	9.822
#1	.0209	.0011	-.0011
#2	.0203	.0008	-.0012
#3	.0177	.0005	-.0009

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4867.3**	**59565.**	**10683.**	**1715.6**
Stddev	4.9	167.	65.	1.5
%RSD	.10058	.28007	.61302	.08655
#1	4872.4	59754.	10758.	1716.3
#2	4862.6	59503.	10656.	1716.5
#3	4867.0	59439.	10635.	1713.9

Zoom In Zoom Out

Sample Name: jd51212-3fundconf Acquired: 9/13/2022 16:20:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0159**	**.0083**	**.0584**	**.0103**	**.0001**	**.0000**	**83.77**
Stddev	.0004	.0077	.0020	.0005	.0001	.0000	.0004	.22
%RSD	894.8	48.63	24.27	.8331	1.248	43.92	40010.	.2684
#1	.0002	-.0240	.0060	.0584	.0104	.0001	-.0005	83.78
#2	.0002	-.0151	.0095	.0589	.0104	.0001	.0003	83.98
#3	-.0005	-.0086	.0094	.0579	.0102	.0001	.0002	83.53

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.3033**	**.0006**	**-.0007**	**.0003**	**3.824**	**1.910**	**.0035**
Stddev	.0001	.0034	.0002	.0004	.0005	.006	.013	.0007
%RSD	14.44	1.105	35.72	56.72	174.1	.1686	.6656	19.18
#1	.0008	.3072	.0005	-.0006	.0007	3.816	1.896	.0036
#2	.0006	.3011	.0005	-.0011	.0006	3.828	1.912	.0028
#3	.0008	.3017	.0009	-.0003	-.0003	3.826	1.921	.0041

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**236.4**	**4.835**	**.0000**	**9.305**	**.0002**	**.0564**	F **-.0048**	F **273.8**
Stddev	.9	.014	.0001	.038	.0002	.0014	.0006	.6
%RSD	.3680	.2828	454.0	.4078	160.2	2.531	11.49	.2186
#1	236.8	4.837	.0001	9.263	.0002	.0570	-.0055	273.5
#2	236.9	4.820	.0001	9.336	.0004	.0548	-.0047	273.3
#3	235.4	4.847	-.0001	9.318	-.0001	.0574	-.0044	274.4

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**.0074**	**9.055**	**-.0032**	**.1145**	**-.0015**	**.0053**	**.0008**
Stddev	.0011	.0014	.019	.0011	.0002	.0004	.0008	.0002
%RSD	38.06	18.97	.2124	33.66	.1967	26.04	15.43	29.33
#1	.0029	.0062	9.039	-.0041	.1143	-.0012	.0056	.0006
#2	.0038	.0090	9.051	-.0034	.1145	-.0015	.0059	.0010
#3	.0017	.0072	9.076	-.0020	.1148	-.0019	.0044	.0007

Zoom In Zoom Out

Sample Name: jd51212-3fundconf Acquired: 9/13/2022 16:20:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0122**	**-.0007**	W **-.0013**
Stddev	.0005	.0001	.0003
%RSD	4.477	11.53	24.47
#1	.0128	-.0007	-.0009
#2	.0117	-.0006	-.0015
#3	.0121	-.0007	-.0014

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4537.7**	**57788.**	**10545.**	**1632.3**
Stddev	2.9	148.	66.	3.5
%RSD	.06372	.25645	.62856	.21151
#1	4536.1	57873.	10594.	1634.6
#2	4541.0	57875.	10469.	1633.9
#3	4535.9	57617.	10571.	1628.3

Zoom In Zoom Out

Sample Name: FECONF Acquired: 9/13/2022 16:26:00 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0122**	**-.0013**	**-.0012**	**-.0001**	**-.0002**	**.0049**	**-.0310**
Stddev	.0001	.0074	.0016	.0006	.0003	.0000	.0003	.0047
%RSD	24.36	61.06	128.5	48.48	351.4	15.59	6.891	15.30
#1	-.0005	-.0196	-.0008	-.0016	-.0004	-.0002	.0051	-.0332
#2	-.0004	-.0047	.0000	-.0014	.0000	-.0002	.0045	-.0255
#3	-.0006	-.0122	-.0031	-.0005	.0001	-.0002	.0051	-.0342

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.1057**	**-.0003**	**-.0004**	**-.0010**	F **204.2**	**.0543**	**.0024**
Stddev	.0003	.0010	.0004	.0005	.0004	.3	.0180	.0005
%RSD	37.02	.9860	121.9	139.0	42.49	.1655	33.16	22.32
#1	-.0006	.1062	-.0003	-.0006	-.0006	204.5	.0748	.0029
#2	-.0010	.1065	-.0007	-.0008	-.0010	204.3	.0465	.0018
#3	-.0005	.1045	.0000	.0002	-.0015	203.8	.0415	.0026

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0360**	**.0022**	**.0006**	**.0608**	**.0004**	**.0131**	**-.0005**	**.0089**
Stddev	.0040	.0000	.0000	.0028	.0000	.0015	.0020	.0078
%RSD	11.15	1.827	4.264	4.643	1.034	11.25	402.2	87.70
#1	-.0316	.0022	.0006	.0579	.0004	.0119	.0000	.0136
#2	-.0368	.0022	.0006	.0609	.0004	.0147	.0012	-.0001
#3	-.0395	.0022	.0007	.0636	.0004	.0127	-.0028	.0131

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.0063**	**-.0007**	**.0010**	**-.0004**	**-.0003**	**.0097**	**.0011**
Stddev	.0011	.0028	.0009	.0004	.0000	.0003	.0021	.0002
%RSD	62.94	44.14	121.6	37.18	6.016	114.3	22.04	18.95
#1	.0025	.0052	.0003	.0014	-.0004	.0001	.0120	.0014
#2	.0005	.0043	-.0012	.0009	-.0004	-.0003	.0096	.0010
#3	.0020	.0095	-.0013	.0007	-.0005	-.0006	.0077	.0011

Zoom In Zoom Out

Sample Name: FECONF Acquired: 9/13/2022 16:26:00 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0022**	**.0010**	W **-.0036**
Stddev	.0007	.0002	.0001
%RSD	31.45	22.98	2.924
#1	.0025	.0008	-.0036
#2	.0014	.0011	-.0037
#3	.0027	.0012	-.0036

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4946.9**	**59517.**	**10632.**	**1704.6**
Stddev	2.4	132.	28.	2.6
%RSD	.04781	.22201	.25971	.15027
#1	4944.4	59368.	10651.	1702.4
#2	4947.1	59618.	10601.	1704.0
#3	4949.1	59566.	10645.	1707.4

Zoom In Zoom Out

Sample Name: CRCONF Acquired: 9/13/2022 16:31:12 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0007**	**.0045**	**.0008**	**.0001**	**-.0000**	**-.0045**	**.0000**	**.0009**
Stddev	.0004	.0090	.0011	.0012	.0001	.0001	.0005	.0042	.0001
%RSD	90.32	1226.	24.51	154.3	92.57	724.7	10.69	14160.	16.15
#1	-.0010	-.0003	.0054	.0021	-.0000	-.0001	-.0050	-.0040	.0008
#2	-.0001	-.0099	.0033	.0002	.0001	-.0000	-.0041	-.0003	.0010
#3	-.0005	.0080	.0049	-.0000	.0002	.0001	-.0044	.0043	.0009

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0417**	**-.0012**	F **10.44**	**-.0009**	**-.0053**	**.0087**	**.0018**	**.0101**	**.0008**
Stddev	.0012	.0002	.03	.0004	.0010	.0192	.0003	.0221	.0000
%RSD	2.772	17.14	.2888	39.68	18.06	219.8	14.99	218.2	1.519
#1	.0408	-.0013	10.45	-.0005	-.0057	.0308	.0021	.0355	.0008
#2	.0412	-.0009	10.40	-.0012	-.0042	-.0037	.0015	-.0046	.0008
#3	.0430	-.0012	10.45	-.0010	-.0060	-.0009	.0018	-.0006	.0008

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0407**	**.0042**	**.0104**	**.0042**	**.0038**	**.0006**	**-.0005**	**.0046**
Stddev	.0001	.0087	.0005	.0010	.0021	.0092	.0014	.0035	.0006
%RSD	12.15	21.48	12.57	9.190	50.65	240.8	221.2	646.9	14.12
#1	.0006	.0464	.0038	.0102	.0040	.0137	.0022	.0002	.0053
#2	.0007	.0306	.0048	.0095	.0022	-.0043	-.0000	-.0044	.0041
#3	.0006	.0451	.0040	.0114	.0064	.0020	-.0003	.0026	.0043

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0001**	**.0007**	**.0013**	**.0068**	**.0036**	**.1358**	**.0019**
Stddev	.0003	.0000	.0003	.0046	.0002	.0010	.0003	.0001
%RSD	22.53	50.02	39.62	354.9	3.220	27.38	.2010	6.542
#1	-.0016	.0001	.0009	-.0040	.0065	.0037	.1361	.0018
#2	-.0010	.0001	.0004	.0035	.0070	.0026	.1359	.0018
#3	-.0014	.0000	.0009	.0044	.0068	.0046	.1356	.0020

Zoom In Zoom Out

Sample Name: CRCONF Acquired: 9/13/2022 16:31:12 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5004.7**	**60282.**	**10540.**	**1720.0**
Stddev	4.5	109.	43.	5.2
%RSD	.08935	.18007	.41108	.30505
#1	5000.1	60263.	10491.	1714.0
#2	5009.0	60399.	10557.	1723.6
#3	5005.0	60185.	10573.	1722.4

Zoom In Zoom Out

Sample Name: ASCONF Acquired: 9/13/2022 16:36:22 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.0060**	**5.140**	**.0010**	**.0002**	**.0000**	**-.0016**	**.0109**	**.0011**
Stddev	.0002	.0122	.029	.0010	.0001	.0001	.0015	.0014	.0002
%RSD	19.57	203.1	.5662	100.4	42.47	260.0	91.56	13.17	15.01
#1	-.0011	.0183	5.158	.0018	.0003	-.0000	-.0000	.0099	.0011
#2	-.0008	.0060	5.106	.0011	.0003	.0000	-.0029	.0125	.0012
#3	-.0013	-.0062	5.155	-.0001	.0001	.0001	-.0018	.0103	.0009

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0553**	**-.0006**	**.0003**	**.0005**	**.0287**	**.0136**	**.0014**	**.0236**	**.0002**
Stddev	.0043	.0003	.0002	.0003	.0011	.0083	.0009	.0149	.0000
%RSD	7.774	47.43	83.92	66.66	3.872	61.13	66.86	63.09	27.69
#1	.0542	-.0004	.0005	.0006	.0295	.0115	.0022	.0322	.0001
#2	.0600	-.0005	.0002	.0007	.0293	.0228	.0016	.0323	.0002
#3	.0516	-.0010	.0001	.0001	.0275	.0066	.0004	.0064	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0299**	**.0001**	**.0075**	**-.0002**	**-.0013**	**.0054**	**-.0032**	**.0007**
Stddev	.0001	.0064	.0002	.0035	.0008	.0037	.0004	.0028	.0012
%RSD	55.54	21.33	244.8	46.89	402.6	289.9	6.529	85.54	172.0
#1	.0002	.0372	.0000	.0114	.0007	-.0013	.0058	-.0037	.0014
#2	.0001	.0266	-.0001	.0045	-.0004	-.0049	.0054	-.0057	-.0007
#3	.0001	.0258	.0003	.0066	-.0009	.0025	.0051	-.0002	.0012

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0000**	**.0001**	**.0003**	**.0001**	**.0003**	**.0023**	**-.0000**
Stddev	.0009	.0001	.0003	.0022	.0002	.0012	.0001	.0002
%RSD	62.01	303.1	248.1	885.3	247.8	443.3	5.861	674.3
#1	-.0024	.0002	.0002	.0028	.0004	.0016	.0021	-.0002
#2	-.0016	-.0000	.0003	-.0010	-.0000	-.0002	.0023	.0002
#3	-.0005	-.0001	-.0002	-.0010	-.0001	-.0006	.0024	-.0002

Zoom In Zoom Out

Sample Name: ASCONF Acquired: 9/13/2022 16:36:22 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5034.4**	**60492.**	**10556.**	**1749.9**
Stddev	7.7	55.	14.	7.2
%RSD	.15280	.09066	.12902	.41119
#1	5026.6	60531.	10570.	1744.3
#2	5042.0	60517.	10543.	1758.0
#3	5034.7	60430.	10556.	1747.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 16:41:33 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2447**	**38.23**	**1.947**	**1.966**	**1.926**	**1.963**	**1.966**	**38.46**	**1.951**
Stddev	.0004	.01	.006	.003	.002	.006	.002	.04	.005
%RSD	.1648	.0345	.3015	.1620	.0772	.3218	.1129	.0940	.2588
#1	.2451	38.22	1.951	1.963	1.927	1.971	1.964	38.50	1.951
#2	.2444	38.24	1.940	1.970	1.925	1.959	1.969	38.43	1.956
#3	.2445	38.24	1.949	1.966	1.928	1.961	1.965	38.44	1.946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**1.974**	**1.986**	**1.897**	**39.28**	**37.85**	**1.933**	**38.38**	**1.999**
Stddev	.003	.003	.005	.003	.05	.10	.003	.09	.002
%RSD	.1658	.1448	.2395	.1328	.1282	.2734	.1552	.2347	.0777
#1	1.999	1.976	1.991	1.900	39.34	37.86	1.929	38.48	2.000
#2	2.005	1.974	1.981	1.896	39.25	37.75	1.935	38.31	1.997
#3	2.001	1.971	1.987	1.895	39.25	37.95	1.934	38.36	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.987**	**38.47**	**1.966**	**1.945**	**2.005**	**1.930**	**1.978**	**1.905**	**5.129**
Stddev	.002	.11	.003	.006	.004	.003	.005	.006	.009
%RSD	.0861	.2762	.1492	.3347	.1785	.1575	.2668	.3407	.1852
#1	1.987	38.56	1.970	1.953	2.009	1.929	1.982	1.913	5.118
#2	1.989	38.35	1.966	1.941	2.002	1.934	1.972	1.904	5.136
#3	1.986	38.49	1.964	1.942	2.005	1.928	1.981	1.900	5.134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 16:41:33 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**1.923**	**1.994**	**1.908**	**1.964**	**1.994**	**1.982**	**1.992**
Stddev	.012	.002	.003	.011	.002	.004	.002	.003
%RSD	.5858	.1047	.1469	.5534	.0949	.2210	.0864	.1504
#1	2.014	1.925	1.997	1.907	1.964	1.994	1.980	1.996
#2	1.990	1.921	1.991	1.898	1.963	1.998	1.983	1.990
#3	2.002	1.924	1.993	1.919	1.966	1.989	1.982	1.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4587.8**	**58291.**	**10500.**	**1700.0**
Stddev	7.3	63.	50.	2.9
%RSD	.15811	.10853	.48051	.17083
#1	4579.4	58218.	10442.	1698.4
#2	4591.5	58328.	10535.	1698.2
#3	4592.4	58328.	10522.	1703.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 16:46:22 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**-.0039**	**.0010**	**.0037**	**.0000**	**-.0000**	**-.0010**	**-.0048**	**-.0001**
Stddev	.0006	.0025	.0020	.0004	.0002	.0000	.0014	.0019	.0003
%RSD	52.01	63.64	202.4	9.802	751.8	5.234	133.5	40.28	365.6
#1	-.0014	-.0036	.0033	.0034	-.0001	-.0000	-.0025	-.0066	.0003
#2	-.0015	-.0016	-.0001	.0036	.0003	-.0000	-.0009	-.0052	-.0004
#3	-.0004	-.0065	-.0002	.0041	-.0001	-.0001	.0002	-.0027	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**-.0004**	**-.0007**	**.0024**	**-.0229**	**.0001**	**.0121**	**.0000**
Stddev	.0003	.0002	.0002	.0004	.0016	.0312	.0008	.0037	.0000
%RSD	389.6	346.7	43.08	56.17	65.11	136.1	596.1	30.41	358.1
#1	-.0002	.0001	-.0002	-.0006	.0016	-.0318	.0004	.0113	.0000
#2	.0003	.0001	-.0005	-.0011	.0014	-.0486	-.0008	.0089	-.0000
#3	.0002	-.0003	-.0005	-.0003	.0042	.0118	.0007	.0161	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0186**	**-.0001**	**.0034**	**-.0005**	**-.0007**	**.0012**	**-.0036**	**.0019**
Stddev	.0001	.0007	.0002	.0035	.0004	.0031	.0007	.0018	.0010
%RSD	18.64	3.991	112.3	102.5	66.77	455.6	60.26	51.57	49.52
#1	.0003	.0194	-.0002	.0007	-.0008	-.0006	.0011	-.0018	.0030
#2	.0004	.0179	.0000	.0073	-.0001	-.0037	.0019	-.0035	.0012
#3	.0003	.0186	-.0003	.0022	-.0007	.0024	.0005	-.0055	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 16:46:22 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**.0000**	**-.0002**	**.0012**	**.0001**	**.0002**	**.0001**	**-.0000**
Stddev	.0010	.0001	.0002	.0020	.0002	.0010	.0003	.0002
%RSD	58.58	337.4	153.2	162.2	160.7	533.8	616.2	904.1
#1	-.0006	.0001	-.0002	-.0007	.0004	-.0008	.0003	-.0000
#2	-.0019	-.0001	.0001	.0011	-.0000	.0012	.0001	-.0002
#3	-.0026	.0001	-.0004	.0032	.0001	.0002	-.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5035.8**	**60552.**	**10563.**	**1742.2**
Stddev	6.9	52.	12.	2.5
%RSD	.13718	.08663	.11712	.14569
#1	5043.2	60499.	10551.	1742.1
#2	5034.5	60604.	10562.	1744.7
#3	5029.6	60552.	10576.	1739.7

Zoom In Zoom Out

Sample Name: mp35114-mb1 Acquired: 9/13/2022 16:51:34 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0022**	**.0002**	**.0010**	**.0001**	**-.0000**	**-.0017**	**.0046**	**.0001**
Stddev	.0002	.0064	.0004	.0005	.0002	.0001	.0013	.0005	.0004
%RSD	27.20	289.6	180.7	51.45	408.7	500.1	81.37	10.17	274.5
#1	-.0006	-.0051	.0006	.0004	.0001	.0001	-.0002	.0050	.0005
#2	-.0008	.0067	-.0001	.0013	.0002	-.0001	-.0020	.0048	.0001
#3	-.0005	.0051	.0001	.0014	-.0002	-.0001	-.0028	.0041	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**.0000**	**-.0003**	**-.0006**	**.0068**	**-.0111**	**-.0005**	**.0153**	**.0002**
Stddev	.0031	.0001	.0006	.0001	.0035	.0077	.0009	.0092	.0000
%RSD	131.2	2202.	188.5	18.77	51.41	69.75	193.8	60.29	4.717
#1	.0059	.0000	.0003	-.0005	.0092	-.0180	-.0014	.0196	.0002
#2	.0006	.0001	-.0004	-.0006	.0028	-.0125	.0004	.0216	.0002
#3	.0006	-.0001	-.0008	-.0007	.0084	-.0027	-.0004	.0047	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0191**	**-.0002**	**.0064**	**.0000**	**.0035**	**.0008**	**-.0040**	**.0120**
Stddev	.0002	.0055	.0001	.0018	.0004	.0030	.0008	.0017	.0016
%RSD	45.73	28.59	73.80	28.51	70910.	86.47	100.0	44.06	12.98
#1	.0006	.0143	-.0002	.0067	-.0005	.0050	-.0001	-.0059	.0103
#2	.0006	.0250	-.0000	.0045	.0002	.0000	.0009	-.0026	.0133
#3	.0002	.0181	-.0002	.0081	.0003	.0054	.0015	-.0034	.0126

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**-.0000**	**-.0001**	**-.0007**	**.0001**	**.0009**	**.0009**	**-.0002**
Stddev	.0008	.0001	.0002	.0003	.0002	.0011	.0003	.0001
%RSD	39.79	251.3	301.0	39.40	219.5	120.8	29.48	53.55
#1	-.0021	-.0001	-.0000	-.0009	.0001	.0017	.0008	-.0003
#2	-.0011	-.0000	-.0003	-.0008	.0004	.0013	.0007	-.0001
#3	-.0026	.0000	.0001	-.0004	-.0001	-.0003	.0012	-.0001

Zoom In Zoom Out

Sample Name: mp35114-mb1 Acquired: 9/13/2022 16:51:34 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5056.8**	**61210.**	**10754.**	**1744.9**
Stddev	5.0	134.	41.	2.1
%RSD	.09790	.21960	.38131	.12021
#1	5062.4	61060.	10798.	1744.6
#2	5055.3	61319.	10717.	1743.0
#3	5052.9	61251.	10748.	1747.2

Zoom In Zoom Out

Sample Name: mp35114-b1 Acquired: 9/13/2022 16:56:44 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**-.0028**	**.0006**	**.0005**	**-.0002**	**.0000**	**-.0002**	**.0098**	**-.0000**
Stddev	.0000	.0024	.0010	.0007	.0001	.0001	.0015	.0020	.0002
%RSD	2.782	84.92	172.2	155.3	63.33	156.3	703.8	19.86	479.6
#1	-.0013	-.0042	.0006	.0010	-.0002	.0000	.0002	.0077	-.0002
#2	-.0013	-.0041	.0015	.0007	-.0002	.0001	.0011	.0114	.0002
#3	-.0013	-.0001	-.0004	-.0003	-.0000	.0000	-.0019	.0105	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0001**	**.0001**	**-.0006**	**.0045**	**-.0284**	**2.113**	**.0063**	**.0003**
Stddev	.0005	.0000	.0001	.0001	.0027	.0102	.003	.0180	.0001
%RSD	1217.	26.24	70.90	14.10	60.84	36.07	.1281	286.7	20.18
#1	.0001	.0002	.0000	-.0005	.0074	-.0216	2.116	.0163	.0003
#2	-.0006	.0001	.0001	-.0006	.0020	-.0401	2.112	.0170	.0002
#3	.0003	.0001	.0002	-.0007	.0041	-.0234	2.111	-.0145	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0202**	**-.0001**	**.0085**	**-.0003**	**-.0001**	**.0002**	**-.0012**	**.0122**
Stddev	.0003	.0028	.0002	.0020	.0005	.0036	.0004	.0013	.0016
%RSD	114.5	13.87	165.3	23.92	185.5	5934.	233.3	107.9	13.24
#1	-.0000	.0194	-.0002	.0076	-.0002	.0013	-.0002	-.0023	.0139
#2	.0002	.0179	-.0003	.0072	.0002	.0027	.0005	.0002	.0108
#3	.0005	.0234	.0001	.0109	-.0008	-.0042	.0002	-.0015	.0118

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0001**	**-.0000**	**.0001**	**.0000**	**-.0000**	**.0007**	**.0000**
Stddev	.0013	.0001	.0004	.0027	.0004	.0008	.0001	.0001
%RSD	369.1	69.59	1151.	1890.	1719.	2738.	9.614	661.4
#1	-.0007	.0001	.0003	-.0019	-.0001	-.0007	.0007	-.0000
#2	.0011	.0002	-.0004	.0031	-.0003	.0009	.0008	-.0001
#3	-.0015	.0001	.0001	-.0008	.0005	-.0003	.0007	.0002

Zoom In Zoom Out

Sample Name: mp35114-b1 Acquired: 9/13/2022 16:56:44 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5018.0**	**60769.**	**10731.**	**1736.5**
Stddev	7.3	322.	36.	3.2
%RSD	.14598	.52948	.33390	.18580
#1	5026.4	60688.	10768.	1739.7
#2	5014.5	60495.	10696.	1733.3
#3	5013.1	61123.	10730.	1736.4

Zoom In Zoom Out

Sample Name: mp35114-s1 Acquired: 9/13/2022 17:01:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.3202**	**.0075**	**.0290**	**.2227**	**.0005**	**-.0019**	**43.32**	**.0003**
Stddev	.0002	.0036	.0016	.0007	.0004	.0000	.0004	.01	.0001
%RSD	24.02	1.128	21.45	2.402	.1982	8.404	19.18	.0132	43.13
#1	-.0008	.3172	.0056	.0282	.2228	.0005	-.0016	43.33	.0002
#2	-.0005	.3193	.0086	.0293	.2231	.0004	-.0023	43.33	.0004
#3	-.0009	.3242	.0082	.0296	.2222	.0005	-.0017	43.32	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0139**	**.0002**	**.0125**	**.0152**	**1.312**	**1.952**	**1.985**	**25.27**	**.0627**
Stddev	.0029	.0004	.0010	.0004	.002	.019	.002	.07	.0002
%RSD	20.86	171.5	8.064	2.665	.1690	.9612	.1174	.2731	.3437
#1	.0106	-.0001	.0128	.0156	1.314	1.967	1.987	25.25	.0629
#2	.0160	.0007	.0113	.0148	1.311	1.958	1.983	25.35	.0626
#3	.0150	.0001	.0133	.0152	1.310	1.931	1.985	25.22	.0625

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**23.38**	**.0080**	**.0282**	**.0007**	**13.42**	**.0012**	**.0049**	**7.676**
Stddev	.0008	.10	.0003	.0035	.0007	.03	.0016	.0015	.013
%RSD	34.06	.4077	4.287	12.51	105.2	.1995	133.6	31.32	.1708
#1	.0031	23.40	.0083	.0312	.0003	13.39	-.0006	.0062	7.683
#2	.0017	23.47	.0076	.0243	.0015	13.43	.0017	.0032	7.661
#3	.0019	23.28	.0081	.0291	.0002	13.43	.0025	.0052	7.684

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0025**	**.4425**	**.0115**	**.0003**	**.0129**	**.0073**	**.8809**	**.0000**
Stddev	.0008	.0018	.0023	.0034	.0005	.0005	.0020	.0001
%RSD	32.53	.4130	20.15	1224.	3.728	7.016	.2229	4132.
#1	-.0020	.4436	.0139	.0037	.0124	.0070	.8794	.0001
#2	-.0022	.4435	.0092	.0002	.0129	.0069	.8831	-.0000
#3	-.0035	.4404	.0114	-.0031	.0133	.0078	.8801	-.0001

Zoom In Zoom Out

Sample Name: mp35114-s1 Acquired: 9/13/2022 17:01:56 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4752.3**	**59318.**	**10649.**	**1691.8**
Stddev	5.4	185.	36.	3.3
%RSD	.11376	.31118	.33446	.19218
#1	4751.3	59139.	10674.	1695.5
#2	4747.4	59308.	10608.	1689.5
#3	4758.1	59507.	10664.	1690.3

Zoom In Zoom Out

Sample Name: mp35114-s2 Acquired: 9/13/2022 17:07:00 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.3353**	**.0068**	**.0299**	**.2274**	**.0005**	**-.0021**	**43.98**	**.0003**
Stddev	.0003	.0094	.0003	.0013	.0001	.0001	.0012	.10	.0002
%RSD	40.32	2.798	3.664	4.421	.0567	12.79	59.11	.2265	56.85
#1	-.0008	.3245	.0068	.0312	.2273	.0005	-.0007	44.01	.0002
#2	-.0010	.3397	.0071	.0300	.2273	.0004	-.0026	43.87	.0002
#3	-.0004	.3416	.0066	.0286	.2276	.0006	-.0030	44.06	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0140**	**.0001**	**.0126**	**.0173**	**1.331**	**1.974**	**2.006**	**25.76**	**.0645**
Stddev	.0014	.0002	.0005	.0003	.013	.026	.001	.31	.0002
%RSD	9.807	144.0	4.093	1.888	.9833	1.322	.0359	1.207	.2942
#1	.0124	.0002	.0130	.0176	1.346	1.999	2.005	26.10	.0647
#2	.0145	-.0001	.0126	.0174	1.321	1.947	2.007	25.50	.0645
#3	.0150	.0003	.0120	.0170	1.326	1.975	2.006	25.67	.0643

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**23.83**	**.0084**	**.0307**	**.0016**	**13.58**	**.0015**	**.0061**	**7.829**
Stddev	.0003	.04	.0002	.0025	.0011	.00	.0004	.0009	.008
%RSD	11.05	.1774	2.382	8.034	68.06	.0267	28.86	15.23	.1033
#1	.0032	23.83	.0084	.0329	.0009	13.59	.0017	.0071	7.838
#2	.0029	23.79	.0082	.0311	.0029	13.58	.0010	.0052	7.822
#3	.0026	23.88	.0086	.0281	.0011	13.58	.0018	.0060	7.826

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**.4477**	**.0122**	**-.0010**	**.0130**	**.0088**	**.8947**	**-.0002**
Stddev	.0008	.0007	.0012	.0003	.0001	.0009	.0026	.0001
%RSD	38.53	.1661	10.14	30.43	1.135	10.01	.2928	46.50
#1	-.0016	.4486	.0126	-.0011	.0130	.0078	.8954	-.0001
#2	-.0028	.4472	.0131	-.0012	.0131	.0090	.8918	-.0003
#3	-.0015	.4474	.0108	-.0006	.0128	.0095	.8969	-.0003

Zoom In Zoom Out

Sample Name: mp35114-s2 Acquired: 9/13/2022 17:07:00 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4745.2**	**59380.**	**10648.**	**1693.9**
Stddev	2.0	190.	44.	1.4
%RSD	.04123	.31998	.41286	.08202
#1	4744.4	59277.	10667.	1695.5
#2	4747.5	59265.	10680.	1693.6
#3	4743.8	59600.	10598.	1692.7

Zoom In Zoom Out

Sample Name: jd51592-1 Acquired: 9/13/2022 17:12:05 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.2950**	**.0066**	**.0270**	**.2173**	**.0008**	**-.0007**	**42.60**	**.0005**
Stddev	.0004	.0098	.0016	.0004	.0003	.0001	.0025	.06	.0002
%RSD	82.28	3.332	23.86	1.519	.1562	13.69	360.7	.1390	35.84
#1	-.0004	.2936	.0073	.0270	.2177	.0008	-.0025	42.66	.0007
#2	-.0001	.2859	.0048	.0266	.2172	.0006	.0021	42.55	.0004
#3	-.0009	.3054	.0077	.0274	.2170	.0009	-.0016	42.58	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0144**	**.0007**	**.0122**	**.0157**	**1.322**	**1.909**	**.0074**	**24.72**	**.0606**
Stddev	.0010	.0001	.0001	.0007	.002	.007	.0003	.05	.0001
%RSD	7.021	16.61	.4361	4.592	.1725	.3799	4.521	.2056	.2046
#1	.0151	.0006	.0122	.0149	1.322	1.904	.0070	24.76	.0605
#2	.0132	.0008	.0122	.0159	1.323	1.905	.0076	24.74	.0608
#3	.0148	.0006	.0123	.0164	1.319	1.917	.0076	24.66	.0606

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**22.89**	**.0087**	**.0289**	**.0020**	**13.12**	**.0025**	**.0061**	**7.493**
Stddev	.0001	.04	.0004	.0059	.0010	.03	.0004	.0005	.020
%RSD	4.332	.1780	4.086	20.34	47.27	.2647	14.23	7.737	.2647
#1	.0024	22.93	.0085	.0223	.0027	13.10	.0029	.0056	7.511
#2	.0026	22.89	.0091	.0310	.0009	13.11	.0021	.0060	7.495
#3	.0026	22.84	.0084	.0334	.0024	13.16	.0025	.0066	7.472

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**.4325**	**.0110**	**.0006**	**.0129**	**.0079**	**.8820**	**-.0001**
Stddev	.0014	.0005	.0018	.0012	.0004	.0010	.0013	.0000
%RSD	78.44	.1089	16.71	209.9	2.725	13.02	.1523	19.25
#1	-.0011	.4329	.0109	-.0004	.0133	.0073	.8834	-.0001
#2	-.0009	.4325	.0092	.0002	.0126	.0091	.8807	-.0001
#3	-.0035	.4320	.0128	.0018	.0129	.0073	.8819	-.0002

Zoom In Zoom Out

Sample Name: jd51592-1 Acquired: 9/13/2022 17:12:05 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4761.2**	**59327.**	**10615.**	**1698.0**
Stddev	5.6	96.	18.	4.1
%RSD	.11840	.16195	.17193	.24393
#1	4754.8	59220.	10606.	1693.4
#2	4765.4	59407.	10636.	1699.2
#3	4763.6	59354.	10603.	1701.4

Zoom In Zoom Out

Sample Name: mp35114-sd1 Acquired: 9/13/2022 17:17:10 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0053**	**.5559**	**.0097**	**.0302**	**.2196**	**.0007**	**-.0062**	**43.17**	**.0002**
Stddev	.0018	.0376	.0086	.0011	.0008	.0001	.0089	.27	.0006
%RSD	33.67	6.771	88.49	3.586	.3623	8.741	142.5	.6204	238.6
#1	-.0050	.5195	.0091	.0306	.2204	.0007	-.0031	43.47	-.0003
#2	-.0072	.5947	.0014	.0289	.2194	.0007	.0006	42.97	.0008
#3	-.0037	.5536	.0186	.0310	.2188	.0008	-.0163	43.07	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0172**	**-.0001**	**.0091**	**.0136**	**1.346**	**1.836**	**.0140**	**25.01**	**.0616**
Stddev	.0113	.0014	.0020	.0010	.020	.092	.0030	.13	.0007
%RSD	65.87	1300.	21.96	7.701	1.490	5.031	21.37	.5016	1.165
#1	.0302	.0009	.0069	.0144	1.332	1.936	.0112	25.04	.0609
#2	.0101	-.0017	.0107	.0140	1.336	1.753	.0135	24.87	.0617
#3	.0112	.0004	.0096	.0124	1.369	1.820	.0171	25.11	.0623

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**22.71**	**.0093**	**.0627**	**.0008**	**12.84**	**.0084**	**.0022**	**7.428**
Stddev	.0014	.07	.0011	.0084	.0029	.02	.0110	.0094	.025
%RSD	35.96	.3187	11.64	13.33	385.6	.1516	131.5	427.0	.3355
#1	.0042	22.63	.0095	.0703	.0025	12.84	-.0017	-.0073	7.450
#2	.0024	22.75	.0081	.0640	.0024	12.85	.0067	.0115	7.433
#3	.0051	22.76	.0103	.0538	-.0026	12.82	.0202	.0024	7.401

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0059**	**.4375**	**.0087**	**.0010**	**.0134**	**.0091**	**.8934**	**-.0010**
Stddev	.0051	.0005	.0023	.0063	.0015	.0040	.0018	.0003
%RSD	86.15	.1109	26.35	634.3	11.50	43.42	.1982	33.92
#1	-.0029	.4380	.0073	-.0053	.0124	.0075	.8918	-.0008
#2	-.0117	.4375	.0114	.0074	.0152	.0062	.8932	-.0014
#3	-.0030	.4370	.0075	.0009	.0126	.0136	.8953	-.0008

Zoom In Zoom Out

Sample Name: mp35114-sd1 Acquired: 9/13/2022 17:17:10 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4970.1**	**60017.**	**10559.**	**1732.9**
Stddev	9.9	144.	28.	2.7
%RSD	.19836	.23974	.26413	.15403
#1	4958.9	59986.	10546.	1730.6
#2	4974.2	60173.	10591.	1732.2
#3	4977.3	59891.	10540.	1735.8

Zoom In Zoom Out

Sample Name: jd51592-2 Acquired: 9/13/2022 17:22:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0283**	**.0008**	**.0012**	**.0010**	**.0001**	**-.0013**	**.1572**	**.0002**
Stddev	.0003	.0018	.0006	.0003	.0000	.0000	.0010	.0022	.0002
%RSD	26.15	6.484	68.96	24.70	4.252	23.87	78.85	1.424	94.38
#1	-.0009	.0263	.0012	.0012	.0010	.0001	-.0022	.1593	.0003
#2	-.0013	.0288	.0011	.0009	.0010	.0001	-.0013	.1574	-.0000
#3	-.0009	.0299	.0002	.0015	.0011	.0001	-.0002	.1549	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0003**	**.0006**	**.0034**	**.0853**	**.0359**	**.0016**	**.0475**	**.0020**
Stddev	.0003	.0000	.0002	.0003	.0040	.0009	.0004	.0113	.0000
%RSD	63.25	2.412	25.38	7.542	4.696	2.504	24.04	23.89	.8965
#1	.0004	.0003	.0005	.0031	.0852	.0369	.0013	.0368	.0020
#2	.0008	.0003	.0006	.0035	.0893	.0357	.0021	.0463	.0020
#3	.0002	.0003	.0008	.0035	.0813	.0352	.0015	.0594	.0020

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.1181**	**.0000**	**.0147**	**-.0001**	**.0263**	**.0002**	**.0002**	**.0754**
Stddev	.0002	.0039	.0002	.0015	.0012	.0038	.0009	.0025	.0027
%RSD	139.9	3.338	551.6	10.11	2123.	14.54	413.4	1177.	3.628
#1	-.0001	.1135	-.0001	.0138	.0005	.0300	-.0005	.0017	.0772
#2	.0002	.1206	.0003	.0164	.0007	.0224	-.0001	-.0027	.0769
#3	.0002	.1201	-.0001	.0139	-.0014	.0265	.0012	.0016	.0723

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0006**	**.0010**	**-.0011**	**.0002**	**.0004**	**.0213**	**.0001**
Stddev	.0004	.0000	.0003	.0010	.0002	.0013	.0002	.0001
%RSD	47.24	1.955	31.11	90.85	87.05	328.3	.7244	92.57
#1	-.0011	.0006	.0012	-.0003	.0003	.0020	.0214	.0001
#2	-.0004	.0006	.0006	-.0022	.0000	-.0005	.0214	.0002
#3	-.0012	.0006	.0012	-.0009	.0002	-.0003	.0211	.0000

Zoom In Zoom Out

Sample Name: jd51592-2 Acquired: 9/13/2022 17:22:18 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5058.6	61057.	10703.	1755.2
Stddev	4.5	69.	44.	8.4
%RSD	.08886	.11234	.40913	.47835
#1	5054.9	61048.	10742.	1746.8
#2	5057.3	60993.	10712.	1755.3
#3	5063.6	61129.	10656.	1763.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 17:27:30 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2449	38.02	1.953	1.975	1.909	1.953	1.960	38.25	1.939
Stddev	.0014	.02	.002	.005	.003	.002	.004	.05	.000
%RSD	.5657	.0611	.0862	.2427	.1335	.0924	.1856	.1209	.0201
#1	.2464	38.04	1.955	1.971	1.912	1.955	1.956	38.23	1.940
#2	.2447	38.00	1.953	1.980	1.908	1.953	1.960	38.31	1.939
#3	.2436	38.01	1.952	1.975	1.907	1.951	1.963	38.22	1.939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.001	1.977	1.981	1.894	39.11	37.60	1.933	38.08	2.000
Stddev	.003	.003	.002	.001	.03	.09	.002	.05	.001
%RSD	.1658	.1473	.1107	.0718	.0801	.2507	.0964	.1278	.0625
#1	2.001	1.977	1.980	1.893	39.09	37.65	1.935	38.09	2.002
#2	2.004	1.980	1.980	1.895	39.15	37.49	1.932	38.02	2.000
#3	1.997	1.974	1.984	1.896	39.10	37.66	1.931	38.12	1.999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	38.23	1.965	1.827	2.012	1.931	1.988	1.925	5.140
Stddev	.001	.08	.002	.006	.005	.006	.001	.011	.007
%RSD	.0657	.2166	.1233	.3260	.2306	.3134	.0397	.5430	.1428
#1	2.000	38.29	1.968	1.821	2.013	1.935	1.988	1.937	5.147
#2	1.998	38.13	1.963	1.827	2.007	1.924	1.989	1.921	5.139
#3	1.998	38.26	1.964	1.833	2.017	1.933	1.987	1.918	5.132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 17:27:30 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	1.906	1.992	2.039	1.969	1.998	1.994	1.991
Stddev	.003	.003	.002	.015	.004	.001	.004	.002
%RSD	.1573	.1643	.1087	.7159	.1853	.0231	.2221	.0783
#1	2.013	1.909	1.990	2.044	1.973	1.998	1.998	1.992
#2	2.008	1.903	1.994	2.051	1.967	1.998	1.989	1.992
#3	2.007	1.906	1.993	2.023	1.966	1.998	1.995	1.989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4611.5	58321.	10571.	1715.7
Stddev	1.9	68.	42.	1.0
%RSD	.04147	.11662	.40049	.05773
#1	4609.3	58328.	10618.	1715.1
#2	4612.7	58386.	10559.	1716.9
#3	4612.4	58250.	10536.	1715.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 17:32:18 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	-.0090	.0000	.0025	.0002	-.0000	-.0005	-.0058	.0003
Stddev	.0004	.0058	.0004	.0005	.0003	.0000	.0022	.0033	.0002
%RSD	35.43	64.40	4925.	19.16	144.4	131.6	415.4	57.00	55.10
#1	-.0007	-.0135	-.0001	.0027	.0003	-.0000	-.0018	-.0022	.0003
#2	-.0013	-.0109	-.0003	.0028	.0004	-.0000	-.0017	-.0087	.0002
#3	-.0013	-.0025	.0004	.0020	-.0001	-.0000	.0020	-.0064	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0000	-.0001	-.0011	.0058	.0100	.0012	-.0020	-.0000
Stddev	.0020	.0004	.0001	.0002	.0013	.0045	.0009	.0093	.0000
%RSD	3001.	1411.	122.7	22.48	22.39	45.63	70.90	467.0	366.7
#1	-.0023	.0004	-.0002	-.0008	.0053	.0070	.0005	.0087	.0000
#2	.0012	-.0001	-.0000	-.0011	.0048	.0077	.0011	-.0062	-.0001
#3	.0009	-.0004	-.0000	-.0013	.0073	.0152	.0022	-.0085	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0118	.0001	.0089	.0000	-.0046	.0017	-.0026	.0018
Stddev	.0005	.0079	.0005	.0027	.0013	.0043	.0006	.0019	.0015
%RSD	90.54	66.74	524.5	30.38	4611.	93.77	35.32	74.27	84.71
#1	.0010	.0113	-.0005	.0059	-.0000	-.0067	.0017	-.0020	.0010
#2	.0005	.0199	.0002	.0111	.0014	.0004	.0011	-.0011	.0035
#3	.0000	.0042	.0005	.0097	-.0013	-.0075	.0024	-.0048	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 17:32:18 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**.0002**	**.0002**	**.0004**	**.0005**	**-.0000**	**.0001**
Stddev	.0009	.0000	.0002	.0009	.0003	.0009	.0002	.0001
%RSD	484.2	86.01	160.3	435.6	65.18	206.7	419.7	251.4
#1	-.0009	.0001	-.0001	.0011	.0003	.0009	-.0003	-.0001
#2	-.0005	.0000	.0004	-.0005	.0007	.0011	.0001	.0001
#3	.0008	.0001	.0002	-.0000	.0002	-.0006	-.0000	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5048.8**	**60514.**	**10546.**	**1754.5**
Stddev	3.4	25.	35.	4.0
%RSD	.06714	.04156	.33509	.22963
#1	5052.1	60523.	10530.	1759.0
#2	5049.0	60532.	10521.	1753.0
#3	5045.4	60485.	10587.	1751.4

Zoom In Zoom Out

Sample Name: mp35088-mb1 7 Acquired: 9/13/2022 17:37:29 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**.0010**	**.0004**	**.0022**	**.0001**	**.0000**	**-.0018**	**.0071**	**-.0001**
Stddev	.0003	.0062	.0008	.0005	.0002	.0001	.0009	.0022	.0002
%RSD	20.64	594.8	189.3	23.23	154.3	246.8	47.76	31.08	186.0
#1	-.0017	.0014	.0008	.0021	-.0000	.0001	-.0008	.0061	-.0001
#2	-.0013	.0071	-.0005	.0028	.0001	-.0000	-.0023	.0056	-.0002
#3	-.0012	-.0054	.0010	.0018	.0004	.0000	-.0023	.0096	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0002**	**-.0001**	**-.0005**	**.0118**	**-.0055**	**.0009**	**.0011**	**.0001**
Stddev	.0031	.0001	.0004	.0003	.0022	.0131	.0004	.0281	.0000
%RSD	3374.	40.79	261.4	57.13	19.01	237.7	48.30	2486.	9.570
#1	.0027	-.0002	.0002	-.0006	.0120	.0074	.0014	-.0276	.0001
#2	-.0033	-.0001	-.0001	-.0008	.0139	-.0189	.0006	.0286	.0001
#3	.0009	-.0002	-.0005	-.0002	.0095	-.0050	.0006	.0024	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0132**	**-.0004**	**.0070**	**-.0003**	**.0010**	**.0016**	**.0008**	**.0069**
Stddev	.0001	.0057	.0001	.0029	.0002	.0106	.0011	.0022	.0010
%RSD	69.34	42.90	24.38	40.71	87.35	1010.	70.10	288.4	14.57
#1	.0001	.0174	-.0005	.0054	-.0003	-.0087	.0028	-.0005	.0080
#2	.0003	.0155	-.0005	.0103	-.0001	-.0005	.0016	.0033	.0060
#3	.0002	.0067	-.0003	.0054	-.0005	.0123	.0005	-.0005	.0068

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**.0000**	**.0000**	**-.0013**	**.0002**	**.0000**	**.0011**	**.0001**
Stddev	.0016	.0000	.0003	.0012	.0004	.0009	.0001	.0001
%RSD	78.77	55.64	664.9	91.53	235.8	17000.	8.644	104.1
#1	-.0011	.0000	.0002	-.0007	.0005	.0009	.0011	-.0000
#2	-.0011	.0001	-.0003	-.0028	-.0002	-.0010	.0010	.0001
#3	-.0040	.0000	.0002	-.0005	.0001	.0001	.0011	.0001

Zoom In Zoom Out

Sample Name: mp35088-mb1 7 Acquired: 9/13/2022 17:37:29 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5073.0**	**61178.**	**10738.**	**1755.9**
Stddev	7.1	132.	19.	2.3
%RSD	.13920	.21555	.18005	.13264
#1	5071.0	61067.	10730.	1754.4
#2	5067.2	61324.	10724.	1754.7
#3	5080.9	61144.	10760.	1758.5

Zoom In Zoom Out

Sample Name: mp35088-lb1 Acquired: 9/13/2022 17:42:38 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0131**	**.0044**	**.0100**	**.0086**	**.0000**	**-.0006**	**.5506**	**-.0001**
Stddev	.0004	.0008	.0013	.0003	.0000	.0001	.0006	.0018	.0002
%RSD	60.67	6.211	28.36	3.494	.4789	342.7	98.23	.3209	265.5
#1	-.0002	.0140	.0056	.0101	.0087	-.0001	-.0007	.5524	-.0002
#2	-.0009	.0130	.0031	.0103	.0086	.0000	.0000	.5488	-.0003
#3	-.0009	.0124	.0045	.0096	.0086	.0001	-.0012	.5506	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0003**	**.0016**	**.0134**	**.0263**	**.1880**	**.0056**	**.0602**	**.0015**
Stddev	.0017	.0005	.0007	.0006	.0014	.0046	.0007	.0110	.0000
%RSD	784.5	180.3	46.36	4.229	5.335	2.427	12.44	18.30	1.555
#1	-.0002	.0005	.0008	.0139	.0248	.1894	.0048	.0694	.0015
#2	-.0020	.0006	.0016	.0128	.0265	.1917	.0059	.0480	.0014
#3	.0015	-.0003	.0022	.0135	.0276	.1829	.0060	.0631	.0015

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	F **1292.**	**.0017**	**.0487**	**.0095**	**.0656**	**.0013**	**.0018**	**.0972**
Stddev	.0003	8.	.0003	.0036	.0018	.0045	.0012	.0022	.0013
%RSD	37.68	.6435	20.39	7.377	18.71	6.864	97.49	118.0	1.304
#1	.0007	1288.	.0014	.0487	.0099	.0608	.0024	.0043	.0974
#2	.0006	1286.	.0017	.0523	.0075	.0663	-.0001	.0009	.0983
#3	.0012	1301.	.0020	.0451	.0110	.0697	.0014	.0003	.0958

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.0031**	**.0000**	**.0015**	**.0005**	**-.0008**	**.0379**	**-.0001**
Stddev	.0004	.0001	.0001	.0020	.0002	.0019	.0001	.0001
%RSD	22.90	2.443	13590.	131.4	48.24	254.6	.3507	124.3
#1	.0022	.0030	-.0000	.0000	.0002	.0000	.0381	-.0003
#2	.0014	.0032	-.0001	.0037	.0007	-.0030	.0379	-.0000
#3	.0019	.0031	.0001	.0007	.0005	.0007	.0379	-.0000

Zoom In Zoom Out

Sample Name: mp35088-lb1 Acquired: 9/13/2022 17:42:38 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3993.3**	**54631.**	**10457.**	**1566.9**
Stddev	5.0	122.	65.	2.0
%RSD	.12550	.22353	.61908	.12661
#1	3987.5	54490.	10495.	1569.2
#2	3996.0	54701.	10495.	1565.5
#3	3996.4	54702.	10382.	1566.1

Zoom In Zoom Out

Sample Name: mp35088-b1 Acquired: 9/13/2022 17:47:55 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2374**	**24.67**	**1.921**	**1.893**	**1.866**	**1.910**	W **-.0173**	**24.90**
Stddev	.0008	.03	.005	.008	.003	.002	.0011	.09
%RSD	.3413	.1172	.2378	.4032	.1372	.0804	6.523	.3448
#1	.2377	24.68	1.925	1.902	1.869	1.912	-.0179	24.98
#2	.2379	24.70	1.923	1.891	1.865	1.909	-.0160	24.93
#3	.2364	24.64	1.916	1.887	1.864	1.910	-.0179	24.81

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.885**	**.1679**	**1.903**	**1.921**	**1.836**	**25.35**	**24.12**	**.0027**
Stddev	.003	.0034	.002	.004	.004	.02	.03	.0003
%RSD	.1370	2.022	.1057	.1992	.2117	.0726	.1340	11.68
#1	1.887	.1640	1.906	1.918	1.833	25.37	24.10	.0029
#2	1.885	.1696	1.903	1.925	1.840	25.33	24.15	.0029
#3	1.882	.1700	1.902	1.919	1.835	25.34	24.09	.0024

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.53**	**1.945**	**1.991**	**24.54**	**1.895**	**1.735**	**1.930**	F **-.1359**
Stddev	.13	.002	.004	.06	.002	.014	.001	.0051
%RSD	.5277	.0971	.1997	.2432	.1139	.8303	.0262	3.785
#1	24.60	1.947	1.995	24.60	1.897	1.751	1.931	-.1419
#2	24.60	1.944	1.989	24.52	1.893	1.733	1.930	-.1326
#3	24.38	1.943	1.987	24.48	1.893	1.722	1.930	-.1334

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.958**	**1.858**	**.1179**	**2.000**	**1.859**	**1.963**	**2.005**	**1.916**
Stddev	.003	.005	.0015	.006	.002	.002	.005	.003
%RSD	.1447	.2623	1.277	.3226	.0877	.1001	.2396	.1412
#1	1.958	1.863	.1181	2.007	1.861	1.965	2.010	1.919
#2	1.961	1.859	.1194	1.999	1.858	1.963	2.004	1.917
#3	1.955	1.853	.1164	1.994	1.857	1.961	2.001	1.913

Zoom In Zoom Out

Sample Name: mp35088-b1 Acquired: 9/13/2022 17:47:55 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.969**	**1.944**	**1.959**
Stddev	.003	.004	.002
%RSD	.1614	.1965	.1045
#1	1.972	1.946	1.960
#2	1.969	1.939	1.960
#3	1.966	1.946	1.956

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4756.9**	**59538.**	**10674.**	**1732.0**
Stddev	2.5	29.	22.	1.8
%RSD	.05312	.04855	.20994	.10306
#1	4754.3	59524.	10656.	1730.1
#2	4757.0	59519.	10667.	1732.5
#3	4759.4	59571.	10699.	1733.6

Zoom In Zoom Out

Sample Name: mp35088-ls1 Acquired: 9/13/2022 17:52:41 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2510**	**24.06**	**2.017**	**1.827**	**1.835**	**1.902**	W **-.0125**	**24.36**
Stddev	.0009	.02	.013	.008	.002	.003	.0003	.07
%RSD	.3530	.0825	.6263	.4554	.1249	.1379	2.741	.2882
#1	.2504	24.07	2.030	1.835	1.836	1.904	-.0126	24.33
#2	.2506	24.08	2.015	1.826	1.836	1.904	-.0121	24.32
#3	.2520	24.04	2.005	1.819	1.832	1.899	-.0127	24.44

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.944**	**.1642**	**1.984**	**1.872**	**1.850**	**24.60**	**24.29**	**.0074**
Stddev	.001	.0019	.005	.007	.005	.04	.07	.0011
%RSD	.0506	1.139	.2329	.3614	.2657	.1464	.3034	14.39
#1	1.945	.1627	1.981	1.864	1.847	24.60	24.27	.0062
#2	1.943	.1637	1.982	1.877	1.847	24.64	24.37	.0077
#3	1.944	.1663	1.989	1.875	1.856	24.57	24.23	.0083

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.49**	**1.892**	**1.892**	F **1269.**	**1.974**	**1.826**	**1.946**	F **-.0834**
Stddev	.05	.002	.009	14.	.002	.021	.005	.0050
%RSD	.2055	.1151	.4733	1.074	.0797	1.131	.2381	6.012
#1	23.47	1.893	1.902	1273.	1.974	1.806	1.942	-.0889
#2	23.46	1.889	1.886	1280.	1.973	1.825	1.944	-.0822
#3	23.55	1.892	1.888	1254.	1.976	1.847	1.951	-.0790

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.931**	**2.010**	**.1317**	**1.842**	**1.831**	**1.914**	**1.770**	**1.889**
Stddev	.000	.006	.0031	.008	.005	.001	.052	.005
%RSD	.0171	.3110	2.374	.4272	.3011	.0297	2.926	.2797
#1	1.931	2.013	.1319	1.850	1.834	1.914	1.829	1.893
#2	1.930	2.014	.1347	1.835	1.835	1.914	1.749	1.883
#3	1.931	2.003	.1284	1.840	1.825	1.915	1.732	1.891

Zoom In Zoom Out

Sample Name: mp35088-ls1 Acquired: 9/13/2022 17:52:41 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.890**	**1.973**	**1.949**
Stddev	.010	.008	.003
%RSD	.5173	.3931	.1345
#1	1.901	1.981	1.951
#2	1.885	1.966	1.946
#3	1.883	1.973	1.951

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3964.8**	**55114.**	**10458.**	**1603.7**
Stddev	7.9	54.	17.	1.3
%RSD	.19841	.09829	.16449	.07988
#1	3970.4	55135.	10467.	1603.2
#2	3968.2	55052.	10469.	1605.1
#3	3955.9	55154.	10438.	1602.7

Zoom In Zoom Out

Sample Name: mp35088-s1 Acquired: 9/13/2022 17:57:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2559**	**24.80**	**2.014**	**1.916**	**2.603**	**1.889**	W **-.0166**	F **452.2**
Stddev	.0003	.08	.007	.004	.004	.003	.0026	1.3
%RSD	.1054	.3144	.3292	.2078	.1582	.1488	15.82	.2862
#1	.2558	24.88	2.008	1.920	2.607	1.892	-.0159	453.2
#2	.2562	24.78	2.021	1.917	2.600	1.887	-.0144	452.7
#3	.2557	24.73	2.013	1.912	2.601	1.887	-.0195	450.8

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.976**	**.4342**	**1.963**	**2.004**	**1.895**	**24.29**	**31.72**	**.0238**
Stddev	.003	.0020	.003	.005	.002	.05	.05	.0003
%RSD	.1489	.4620	.1349	.2295	.0835	.1860	.1558	1.079
#1	1.979	.4361	1.965	2.007	1.895	24.34	31.75	.0237
#2	1.976	.4345	1.960	2.005	1.897	24.25	31.66	.0237
#3	1.973	.4321	1.964	1.999	1.894	24.28	31.75	.0241

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.09**	**5.270**	**1.867**	F **1252.**	**1.981**	**1.925**	**1.919**	**6.692**
Stddev	.05	.013	.003	18.	.002	.004	.002	.009
%RSD	.1394	.2469	.1810	1.457	.0859	.2225	.1258	.1401
#1	39.12	5.279	1.870	1264.	1.983	1.930	1.917	6.696
#2	39.03	5.275	1.868	1261.	1.981	1.923	1.922	6.698
#3	39.12	5.255	1.863	1231.	1.980	1.922	1.919	6.681

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.952**	**2.021**	F **38.31**	**1.770**	**3.195**	**1.891**	**1.735**	**1.877**
Stddev	.004	.009	.14	.002	.007	.001	.007	.006
%RSD	.2328	.4285	.3623	.0992	.2086	.0738	.3803	.3160
#1	1.955	2.021	38.40	1.772	3.203	1.893	1.728	1.878
#2	1.954	2.030	38.39	1.769	3.190	1.892	1.736	1.882
#3	1.947	2.012	38.15	1.770	3.193	1.890	1.741	1.871

Zoom In Zoom Out

Sample Name: mp35088-s1 Acquired: 9/13/2022 17:57:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.911**	**2.035**	**1.920**
Stddev	.004	.007	.004
%RSD	.1823	.3644	.1927
#1	1.914	2.035	1.923
#2	1.911	2.043	1.921
#3	1.907	2.028	1.916

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3781.7**	**54096.**	**10309.**	**1546.2**
Stddev	6.5	54.	62.	5.5
%RSD	.17133	.09975	.59968	.35517
#1	3777.9	54040.	10269.	1544.2
#2	3778.0	54100.	10279.	1541.9
#3	3789.2	54148.	10381.	1552.4

Zoom In Zoom Out

Sample Name: mp35088-s2 Acquired: 9/13/2022 18:02:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2553**	**24.74**	**2.026**	**1.909**	**2.618**	**1.878**	W **-.0174**	F **462.1**
Stddev	.0008	.01	.010	.007	.005	.002	.0013	.5
%RSD	.3250	.0559	.5030	.3828	.1947	.1286	7.446	.1176
#1	.2561	24.72	2.018	1.900	2.618	1.880	-.0159	461.7
#2	.2545	24.75	2.022	1.913	2.623	1.879	-.0180	461.9
#3	.2552	24.74	2.037	1.913	2.613	1.875	-.0183	462.8

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.967**	**.4390**	**1.951**	**1.984**	**1.886**	**24.14**	**31.80**	**.0244**
Stddev	.007	.0036	.005	.004	.004	.02	.08	.0005
%RSD	.3456	.8098	.2600	.1919	.2016	.0860	.2480	2.223
#1	1.963	.4362	1.948	1.986	1.888	24.15	31.77	.0238
#2	1.964	.4379	1.948	1.979	1.888	24.11	31.89	.0245
#3	1.975	.4430	1.957	1.985	1.882	24.14	31.74	.0248

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.32**	**5.319**	**1.877**	F **1248.**	**1.973**	**1.902**	**1.912**	**6.857**
Stddev	.04	.009	.007	19.	.005	.006	.003	.015
%RSD	.0999	.1693	.3525	1.529	.2508	.3184	.1680	.2199
#1	39.37	5.329	1.871	1267.	1.971	1.898	1.909	6.839
#2	39.30	5.312	1.877	1229.	1.969	1.898	1.913	6.864
#3	39.29	5.315	1.884	1248.	1.979	1.909	1.915	6.866

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.960**	**2.025**	F **39.13**	**1.779**	**3.223**	**1.899**	**1.740**	**1.866**
Stddev	.008	.009	.12	.008	.008	.003	.003	.003
%RSD	.3951	.4648	.2956	.4490	.2517	.1638	.1962	.1569
#1	1.953	2.016	39.04	1.774	3.225	1.901	1.742	1.868
#2	1.968	2.025	39.10	1.774	3.230	1.895	1.743	1.866
#3	1.958	2.035	39.26	1.788	3.214	1.900	1.736	1.863

Zoom In Zoom Out

Sample Name: mp35088-s2 Acquired: 9/13/2022 18:02:35 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.923**	**2.024**	**1.930**
Stddev	.004	.010	.004
%RSD	.1888	.4928	.2039
#1	1.919	2.016	1.935
#2	1.924	2.020	1.929
#3	1.926	2.035	1.927

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3779.6**	**54349.**	**10407.**	**1548.6**
Stddev	4.0	26.	26.	4.3
%RSD	.10620	.04831	.24831	.28032
#1	3780.3	54352.	10379.	1552.1
#2	3783.3	54322.	10411.	1550.0
#3	3775.3	54374.	10430.	1543.8

Zoom In Zoom Out

Sample Name: jd51273-1a Acquired: 9/13/2022 18:07:29 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**.0437**	**.0052**	**.0815**	**.7616**	**.0009**	**-.0041**	F **435.2**
Stddev	.0005	.0064	.0021	.0016	.0011	.0000	.0014	.5
%RSD	22.68	14.61	39.36	1.969	.1489	1.443	33.38	.1107
#1	.0027	.0363	.0030	.0824	.7603	.0008	-.0026	434.7
#2	.0017	.0473	.0070	.0796	.7619	.0009	-.0052	435.7
#3	.0023	.0474	.0058	.0824	.7625	.0009	-.0046	435.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.2838**	**.0009**	**.1752**	**.0116**	**.0338**	**6.960**	**.0238**
Stddev	.0003	.0025	.0002	.0019	.0002	.0018	.055	.0017
%RSD	22.36	.8655	19.63	1.073	2.074	5.256	.7933	7.052
#1	.0010	.2812	.0009	.1737	.0116	.0319	6.898	.0255
#2	.0013	.2841	.0007	.1746	.0118	.0353	6.978	.0222
#3	.0016	.2860	.0010	.1773	.0113	.0342	7.004	.0236

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.11**	**3.500**	**.0024**	F **1202.**	**.0360**	**.0565**	**.0021**	**6.916**
Stddev	.06	.005	.0003	10.	.0003	.0017	.0020	.037
%RSD	.3853	.1415	14.49	.7996	.8898	2.967	92.39	.5406
#1	16.04	3.501	.0027	1204.	.0362	.0546	.0044	6.914
#2	16.17	3.495	.0020	1211.	.0356	.0578	.0013	6.880
#3	16.11	3.505	.0025	1192.	.0362	.0571	.0008	6.955

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0012**	F **38.21**	**-.0032**	**1.373**	**-.0007**	**.0108**	**.0029**
Stddev	.0014	.0026	.20	.0010	.002	.0002	.0043	.0004
%RSD	171.0	213.1	.5229	31.54	.1700	27.92	39.61	14.66
#1	.0007	-.0015	38.44	-.0035	1.370	-.0009	.0118	.0031
#2	.0023	.0016	38.12	-.0021	1.373	-.0009	.0061	.0032
#3	-.0005	.0036	38.08	-.0042	1.375	-.0005	.0144	.0024

Zoom In Zoom Out

Sample Name: jd51273-1a Acquired: 9/13/2022 18:07:29 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0411**	**.1720**	W **-.0024**
Stddev	.0020	.0005	.0002
%RSD	4.791	.2645	9.040
#1	.0414	.1718	-.0022
#2	.0430	.1717	-.0024
#3	.0391	.1725	-.0027

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3802.1**	**54072.**	**10336.**	**1529.4**
Stddev	4.1	71.	30.	8.3
%RSD	.10808	.13209	.28816	.54449
#1	3799.3	54115.	10370.	1521.1
#2	3800.1	54112.	10319.	1529.4
#3	3806.8	53989.	10318.	1537.8

Zoom In Zoom Out

Sample Name: mp35088-sd1 Acquired: 9/13/2022 18:12:42 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**.0367**	**.0046**	**.0963**	**.7774**	**.0009**	**-.0119**	**454.9**
Stddev	.0013	.0249	.0096	.0031	.0033	.0004	.0059	.9
%RSD	65.19	67.91	208.9	3.221	.4249	45.81	49.23	.2052
#1	-.0022	.0091	-.0063	.0980	.7812	.0005	-.0086	455.7
#2	-.0006	.0434	.0082	.0927	.7760	.0013	-.0187	453.9
#3	-.0032	.0576	.0119	.0981	.7751	.0010	-.0085	455.2

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.3091**	**.0016**	**.1849**	**.0142**	**.0548**	**7.210**	**.0449**
Stddev	.0003	.0118	.0015	.0028	.0020	.0149	.038	.0019
%RSD	28.72	3.811	96.12	1.539	14.08	27.18	.5270	4.267
#1	.0013	.2996	-.0002	.1870	.0137	.0580	7.169	.0455
#2	.0008	.3056	.0027	.1859	.0126	.0386	7.217	.0465
#3	.0015	.3223	.0022	.1816	.0165	.0679	7.243	.0428

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.97**	**3.661**	**.0038**	W **1352.**	**.0346**	**.1041**	**-.0044**	**6.700**
Stddev	.05	.014	.0015	15.	.0015	.0046	.0111	.029
%RSD	.3162	.3709	40.39	1.111	4.307	4.436	251.8	.4339
#1	16.96	3.677	.0034	1349.	.0336	.1094	.0042	6.733
#2	16.92	3.656	.0025	1338.	.0363	.1008	-.0170	6.682
#3	17.03	3.651	.0055	1368.	.0338	.1022	-.0005	6.684

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0087**	**.0002**	**38.49**	**-.0090**	**1.390**	**-.0034**	**.0093**	**.0046**
Stddev	.0113	.0120	.07	.0035	.005	.0031	.0048	.0016
%RSD	129.4	5319.	.1799	38.26	.3642	91.92	52.11	34.85
#1	.0016	.0135	38.57	-.0078	1.396	.0002	.0135	.0064
#2	.0217	-.0031	38.44	-.0129	1.387	-.0054	.0104	.0035
#3	.0029	-.0098	38.45	-.0064	1.387	-.0049	.0040	.0039

Zoom In Zoom Out

Sample Name: mp35088-sd1 Acquired: 9/13/2022 18:12:42 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0436**	**.1891**	**-.0031**
Stddev	.0080	.0004	.0015
%RSD	18.25	.2282	48.48
#1	.0509	.1891	-.0046
#2	.0351	.1887	-.0015
#3	.0449	.1895	-.0032

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4380.4**	**57478.**	**10412.**	**1660.0**
Stddev	2.5	238.	49.	3.5
%RSD	.05697	.41431	.47304	.20930
#1	4382.9	57257.	10362.	1655.9
#2	4380.4	57447.	10461.	1662.0
#3	4377.9	57730.	10412.	1662.0

Zoom In Zoom Out

Sample Name: jd51258-1 Acquired: 9/13/2022 18:17:57 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**-.0428**	**.0033**	**.1746**	**.1953**	**-.0001**	**-.0031**	F **459.2**
Stddev	.0006	.0095	.0012	.0002	.0002	.0000	.0011	1.0
%RSD	45.09	22.20	34.65	.1026	.1222	33.54	33.71	.2188
#1	.0009	-.0339	.0030	.1748	.1954	-.0001	-.0040	459.9
#2	.0011	-.0418	.0046	.1747	.1950	-.0001	-.0034	459.7
#3	.0021	-.0528	.0024	.1744	.1954	-.0001	-.0019	458.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.1178**	**.0018**	**.0009**	**.0209**	**.0304**	**4.441**	**.0119**
Stddev	.0001	.0021	.0004	.0001	.0005	.0016	.015	.0004
%RSD	23.88	1.758	23.64	13.69	2.538	5.269	.3448	3.546
#1	.0004	.1158	.0019	.0010	.0205	.0286	4.457	.0124
#2	.0006	.1177	.0013	.0008	.0215	.0309	4.427	.0115
#3	.0007	.1199	.0021	.0010	.0206	.0316	4.439	.0118

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.597**	**.9283**	**.0028**	F **1106.**	**.0088**	**.0718**	**.0034**	**14.05**
Stddev	.022	.0023	.0004	15.	.0002	.0051	.0028	.01
%RSD	.2895	.2437	14.15	1.363	2.771	7.154	82.06	.0976
#1	7.615	.9300	.0030	1123.	.0089	.0680	.0055	14.04
#2	7.603	.9291	.0023	1103.	.0089	.0697	.0044	14.05
#3	7.573	.9257	.0030	1093.	.0085	.0776	.0002	14.06

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**-.0034**	**24.05**	**-.0032**	**1.743**	**.0001**	**.0034**	**.0086**
Stddev	.0019	.0033	.02	.0017	.005	.0001	.0002	.0003
%RSD	44.74	96.74	.0631	53.20	.2857	123.3	4.638	3.402
#1	.0059	.0002	24.04	-.0047	1.748	.0001	.0033	.0083
#2	.0049	-.0062	24.07	-.0013	1.739	-.0000	.0036	.0088
#3	.0022	-.0043	24.05	-.0036	1.742	.0002	.0033	.0088

Zoom In Zoom Out

Sample Name: jd51258-1 Acquired: 9/13/2022 18:17:57 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0264**	**.0254**	W **-.0013**
Stddev	.0006	.0003	.0001
%RSD	2.395	1.204	7.281
#1	.0258	.0252	-.0014
#2	.0263	.0257	-.0012
#3	.0270	.0252	-.0014

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3843.3**	**53740.**	**10184.**	**1521.1**
Stddev	1.9	49.	5.	2.5
%RSD	.05030	.09103	.05116	.16575
#1	3841.1	53686.	10189.	1523.7
#2	3844.3	53752.	10185.	1518.6
#3	3844.6	53781.	10179.	1520.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 18:23:14 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2444**	**38.00**	**1.952**	**1.965**	**1.898**	**1.944**	**1.946**	**38.52**	**1.935**
Stddev	.0009	.06	.007	.011	.003	.001	.007	.08	.005
%RSD	.3562	.1606	.3601	.5505	.1420	.0612	.3621	.2003	.2483
#1	.2435	38.06	1.953	1.958	1.896	1.943	1.944	38.61	1.938
#2	.2452	38.01	1.958	1.977	1.901	1.946	1.954	38.48	1.938
#3	.2444	37.94	1.944	1.960	1.896	1.944	1.941	38.46	1.930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**1.979**	**1.980**	**1.880**	**39.03**	**37.40**	**1.923**	**38.34**	**1.998**
Stddev	.001	.000	.006	.001	.04	.10	.005	.08	.003
%RSD	.0582	.0115	.2977	.0590	.0933	.2793	.2440	.1981	.1675
#1	1.997	1.979	1.987	1.878	39.00	37.33	1.926	38.28	2.002
#2	1.995	1.979	1.980	1.881	39.07	37.52	1.926	38.43	1.997
#3	1.997	1.979	1.975	1.879	39.01	37.36	1.918	38.31	1.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**37.37**	**1.968**	**1.808**	**2.006**	**1.909**	**1.977**	**1.926**	**5.122**
Stddev	.005	.18	.002	.004	.002	.014	.007	.014	.018
%RSD	.2759	.4697	.0763	.2447	.0851	.7450	.3334	.7204	.3431
#1	1.994	37.18	1.969	1.805	2.008	1.894	1.970	1.910	5.115
#2	2.002	37.53	1.966	1.806	2.004	1.921	1.984	1.933	5.142
#3	1.991	37.40	1.968	1.813	2.007	1.913	1.976	1.935	5.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 18:23:14 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.005**	**1.892**	**1.987**	**2.023**	**1.968**	**1.998**	**2.006**	**1.985**
Stddev	.001	.005	.001	.018	.001	.002	.003	.001
%RSD	.0338	.2806	.0407	.9127	.0579	.1013	.1293	.0592
#1	2.005	1.888	1.987	2.005	1.968	2.001	2.008	1.983
#2	2.004	1.898	1.988	2.022	1.970	1.997	2.008	1.986
#3	2.004	1.890	1.986	2.042	1.968	1.998	2.003	1.984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4621.3**	**58395.**	**10465.**	**1719.9**
Stddev	8.1	118.	19.	4.4
%RSD	.17523	.20213	.17965	.25338
#1	4614.1	58262.	10485.	1716.9
#2	4630.1	58433.	10447.	1718.0
#3	4619.9	58489.	10463.	1724.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 18:28:03 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0101**	**.0004**	**.0032**	**.0000**	**.0001**	**-.0008**	**-.0042**	**.0001**
Stddev	.0005	.0010	.0006	.0007	.0001	.0000	.0019	.0008	.0004
%RSD	47.30	9.854	154.5	22.03	319.0	35.39	227.8	18.01	313.9
#1	-.0007	-.0110	.0009	.0037	-.0001	.0001	-.0029	-.0046	.0004
#2	-.0007	-.0090	.0004	.0035	.0001	.0002	-.0005	-.0047	.0002
#3	-.0015	-.0104	-.0002	.0024	.0001	.0001	.0008	-.0033	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0024**	**-.0000**	**-.0005**	**-.0001**	**.0027**	**.0824**	**.0028**	**.0217**	**.0001**
Stddev	.0032	.0003	.0003	.0004	.0011	.0176	.0008	.0025	.0000
%RSD	133.6	625.2	67.55	240.6	41.26	21.36	27.86	11.53	21.83
#1	-.0026	.0002	-.0005	.0001	.0014	.0668	.0024	.0206	.0001
#2	-.0054	-.0003	-.0008	.0001	.0034	.0789	.0023	.0246	.0002
#3	.0009	-.0000	-.0001	-.0006	.0032	.1015	.0037	.0200	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.1864**	**.0001**	**.0101**	**-.0000**	**-.0061**	**.0003**	**-.0012**	**.0013**
Stddev	.0000	.0026	.0001	.0003	.0011	.0036	.0008	.0012	.0012
%RSD	5.409	1.415	146.4	3.352	7465.	59.07	276.0	97.68	93.52
#1	.0003	.1836	.0003	.0097	.0011	-.0075	.0011	.0001	.0000
#2	.0004	.1889	-.0000	.0102	-.0002	-.0087	.0001	-.0014	.0014
#3	.0003	.1866	.0001	.0103	-.0010	-.0020	-.0004	-.0023	.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 18:28:03 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0000**	**-.0001**	**-.0006**	**.0001**	**.0002**	**-.0002**	**.0002**
Stddev	.0004	.0000	.0003	.0009	.0003	.0006	.0002	.0001
%RSD	63.81	82.49	422.4	154.3	274.2	228.4	126.3	49.11
#1	-.0009	.0000	.0003	-.0008	.0001	-.0003	-.0000	.0003
#2	-.0009	.0001	-.0003	.0004	-.0002	.0002	-.0001	.0001
#3	-.0002	.0001	-.0002	-.0013	.0004	.0008	-.0004	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5072.5**	**60634.**	**10559.**	**1768.1**
Stddev	8.9	125.	44.	5.9
%RSD	.17568	.20583	.41558	.33327
#1	5064.7	60505.	10523.	1761.4
#2	5070.6	60643.	10547.	1770.5
#3	5082.2	60754.	10608.	1772.5

Zoom In Zoom Out

Sample Name: jd50441-1ar Acquired: 9/13/2022 18:33:14 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0022**	**.0033**	**.0723**	**.4179**	**.0000**	**-.0018**	**158.9**	**.0016**
Stddev	.0007	.0062	.0019	.0008	.0006	.0001	.0012	.3	.0001
%RSD	219.5	280.4	56.80	1.099	.1389	460.7	63.72	.1744	9.100
#1	-.0004	.0043	.0025	.0732	.4177	-.0000	-.0016	159.2	.0017
#2	.0004	-.0079	.0055	.0717	.4185	-.0000	-.0031	158.6	.0017
#3	.0009	-.0030	.0020	.0722	.4174	.0001	-.0008	158.8	.0015
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0552**	**.0027**	**.0002**	**.0208**	**.0141**	**3.624**	**.0135**	**41.77**	**.5090**
Stddev	.0012	.0002	.0002	.0005	.0020	.034	.0005	.03	.0010
%RSD	2.098	6.668	70.30	2.636	14.36	.9248	3.767	.0695	.1883
#1	.0564	.0025	.0004	.0204	.0118	3.586	.0138	41.80	.5101
#2	.0541	.0029	.0002	.0206	.0155	3.639	.0137	41.76	.5085
#3	.0550	.0026	.0001	.0214	.0150	3.648	.0129	41.74	.5085
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	F **1094.**	**.0197**	**.1101**	**.0314**	**1.225**	**.0012**	**.0028**	**3.078**
Stddev	.0002	20.	.0005	.0034	.0011	.009	.0022	.0042	.008
%RSD	85.09	1.837	2.301	3.116	3.426	.7058	178.1	146.5	.2708
#1	-.0000	1114.	.0196	.1138	.0310	1.234	.0019	.0076	3.084
#2	-.0004	1094.	.0202	.1095	.0326	1.217	.0031	.0004	3.069
#3	-.0004	1074.	.0194	.1070	.0305	1.225	-.0012	.0004	3.082

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.5840**	**-.0003**	**.0011**	**.0005**	**.0056**	**.3958**	**-.0001**
Stddev	.0008	.0014	.0002	.0025	.0003	.0017	.0017	.0003
%RSD	54.87	.2357	78.50	231.3	51.71	31.03	.4287	381.7
#1	-.0023	.5831	-.0005	-.0016	.0003	.0058	.3956	.0002
#2	-.0008	.5855	-.0001	.0033	.0008	.0072	.3976	-.0003
#3	-.0013	.5832	-.0003	.0015	.0005	.0037	.3942	-.0001

Zoom In Zoom Out

Sample Name: jd50441-1ar Acquired: 9/13/2022 18:33:14 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3919.1**	**54291.**	**10313.**	**1544.6**
Stddev	6.6	133.	35.	6.0
%RSD	.16939	.24432	.33488	.38756
#1	3914.0	54152.	10275.	1538.6
#2	3916.7	54306.	10343.	1550.5
#3	3926.6	54416.	10322.	1544.6

Zoom In Zoom Out

Sample Name: jd50441-2ar Acquired: 9/13/2022 18:38:28 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0374**	**.0047**	**.1116**	**.4468**	**.0000**	**-.0014**	F **282.0**	**.0082**
Stddev	.0004	.0105	.0007	.0011	.0002	.0001	.0011	1.0	.0002
%RSD	32.32	28.08	14.51	.9917	.0527	113.4	80.04	.3416	2.019
#1	.0014	.0295	.0050	.1126	.4467	.0001	-.0021	283.1	.0084
#2	.0007	.0334	.0039	.1104	.4466	.0000	-.0020	281.3	.0083
#3	.0013	.0493	.0051	.1118	.4470	.0000	-.0001	281.6	.0081

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1228**	**.0142**	**.0014**	**.0184**	**.0363**	**4.895**	**.0126**	**8.323**	**1.382**
Stddev	.0027	.0005	.0002	.0003	.0012	.015	.0006	.051	.004
%RSD	2.184	3.639	14.52	1.450	3.312	.3021	4.671	.6100	.2853
#1	.1218	.0147	.0013	.0181	.0373	4.910	.0132	8.341	1.386
#2	.1258	.0137	.0017	.0185	.0367	4.880	.0126	8.362	1.383
#3	.1208	.0142	.0014	.0187	.0350	4.894	.0120	8.265	1.378

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	F **1059.**	**.0103**	**.0700**	**.9899**	**7.182**	**.0049**	**.0016**	**8.636**
Stddev	.0001	8.	.0001	.0031	.0021	.007	.0008	.0036	.006
%RSD	19.38	.7506	1.266	4.431	.2164	.1034	17.13	227.5	.0718
#1	.0005	1068.	.0104	.0678	.9881	7.185	.0042	.0033	8.637
#2	.0006	1053.	.0101	.0688	.9923	7.173	.0058	-.0026	8.641
#3	.0004	1055.	.0103	.0736	.9895	7.187	.0046	.0040	8.629

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**1.038**	**-.0002**	**.0039**	**.0022**	**.0112**	**2.312**	**-.0006**
Stddev	.0014	.000	.0004	.0031	.0003	.0012	.002	.0002
%RSD	97.06	.0257	171.6	78.21	12.59	10.68	.0898	27.69
#1	.0002	1.038	-.0002	.0046	.0024	.0124	2.310	-.0004
#2	-.0025	1.038	.0002	.0067	.0023	.0100	2.312	-.0007
#3	-.0021	1.038	-.0007	.0006	.0019	.0111	2.314	-.0007

Zoom In Zoom Out

Sample Name: jd50441-2ar Acquired: 9/13/2022 18:38:28 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3894.7**	**54214.**	**10289.**	**1538.3**
Stddev	3.2	149.	49.	1.9
%RSD	.08129	.27435	.47911	.12432
#1	3893.0	54088.	10238.	1536.6
#2	3892.7	54175.	10337.	1537.9
#3	3898.3	54378.	10292.	1540.4

Zoom In Zoom Out

Sample Name: jd50441-3ar Acquired: 9/13/2022 18:43:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0678**	**.0036**	**.0753**	**.2705**	**.0002**	**-.0008**	**32.24**	**.0002**
Stddev	.0002	.0059	.0011	.0002	.0004	.0001	.0006	.03	.0002
%RSD	24.95	8.759	30.74	.2657	.1612	62.15	78.44	.0952	68.90
#1	-.0005	.0650	.0036	.0751	.2710	.0002	-.0013	32.24	.0002
#2	-.0008	.0746	.0046	.0753	.2705	.0003	-.0008	32.21	.0001
#3	-.0006	.0637	.0025	.0755	.2701	.0001	-.0001	32.27	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0083**	**.0000**	**.0006**	**.0023**	**.0295**	**4.530**	**.0088**	**3.664**	**.0279**
Stddev	.0054	.0004	.0005	.0006	.0018	.013	.0010	.014	.0002
%RSD	65.46	1027.	76.05	25.02	6.181	.2940	11.66	.3855	.8933
#1	.0136	-.0004	.0010	.0020	.0282	4.518	.0077	3.670	.0281
#2	.0027	.0001	.0009	.0019	.0316	4.544	.0092	3.648	.0276
#3	.0085	.0004	.0001	.0029	.0287	4.528	.0096	3.674	.0279

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	F **1028.**	**.0018**	**.0266**	**.0064**	**4.841**	**.0000**	**.0031**	**2.971**
Stddev	.0003	21.	.0005	.0015	.0021	.013	.0004	.0036	.009
%RSD	79.17	2.043	29.19	5.459	32.99	.2620	2511.	118.7	.2938
#1	-.0007	1046.	.0022	.0253	.0078	4.840	.0004	.0014	2.970
#2	-.0002	1005.	.0012	.0264	.0073	4.828	.0001	.0006	2.963
#3	-.0002	1032.	.0019	.0282	.0040	4.854	-.0004	.0072	2.980

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.2116**	**.0003**	**.0015**	**.0003**	**.0031**	**.0769**	**-.0001**
Stddev	.0010	.0004	.0003	.0029	.0001	.0010	.0003	.0002
%RSD	112.0	.2044	117.4	192.5	55.81	32.72	.3632	185.3
#1	.0001	.2121	-.0001	.0046	.0004	.0022	.0769	-.0001
#2	-.0009	.2113	.0004	.0009	.0002	.0029	.0772	.0001
#3	-.0020	.2114	.0005	-.0010	.0001	.0042	.0766	-.0003

Zoom In Zoom Out

Sample Name: jd50441-3ar Acquired: 9/13/2022 18:43:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4055.3**	**55090.**	**10323.**	**1587.2**
Stddev	6.4	191.	36.	1.6
%RSD	.15772	.34670	.34844	.10113
#1	4048.0	54871.	10300.	1588.8
#2	4059.5	55219.	10365.	1587.2
#3	4058.5	55181.	10305.	1585.6

Zoom In Zoom Out

Sample Name: jd50441-4ar Acquired: 9/13/2022 18:48:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0404**	**.0021**	**.1030**	**.2757**	**.0001**	**-.0012**	**94.80**	**.0013**
Stddev	.0002	.0081	.0013	.0009	.0004	.0001	.0005	.19	.0002
%RSD	465.6	20.09	61.98	.8420	.1590	83.78	43.43	.1968	13.47
#1	-.0000	.0437	.0009	.1037	.2753	.0000	-.0012	95.01	.0012
#2	-.0003	.0462	.0019	.1034	.2757	.0002	-.0016	94.64	.0013
#3	.0001	.0311	.0035	.1020	.2761	.0002	-.0006	94.77	.0015

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0229**	**.0001**	**.0015**	**.0040**	**.0378**	**6.242**	**.0100**	**5.665**	**.1351**
Stddev	.0008	.0002	.0004	.0005	.0013	.009	.0011	.034	.0002
%RSD	3.399	172.4	24.24	12.99	3.331	.1475	10.57	.5937	.1315
#1	.0230	.0003	.0018	.0045	.0369	6.243	.0094	5.703	.1352
#2	.0236	-.0000	.0011	.0037	.0392	6.250	.0095	5.655	.1349
#3	.0221	.0000	.0014	.0036	.0373	6.232	.0113	5.638	.1352

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	F **990.1**	**.0036**	**.0319**	**.0169**	**5.990**	**.0015**	**.0030**	**3.879**
Stddev	.0001	10.3	.0004	.0017	.0017	.014	.0009	.0043	.007
%RSD	92.91	1.042	10.70	5.240	9.902	.2266	64.82	140.0	.1820
#1	.0000	993.4	.0034	.0304	.0164	5.983	.0015	.0028	3.886
#2	-.0001	978.6	.0034	.0317	.0187	6.005	.0024	-.0011	3.879
#3	-.0001	998.4	.0040	.0337	.0155	5.980	.0005	.0074	3.872

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.3205**	**-.0003**	**-.0018**	**.0001**	**.0042**	**.0724**	**-.0003**
Stddev	.0003	.0006	.0004	.0016	.0003	.0010	.0003	.0002
%RSD	26.87	.1781	152.8	90.28	240.0	23.52	.4159	59.38
#1	-.0007	.3200	-.0003	-.0030	.0004	.0030	.0726	-.0001
#2	-.0011	.3203	.0002	-.0026	-.0002	.0048	.0720	-.0005
#3	-.0012	.3211	-.0007	.0001	.0002	.0046	.0725	-.0003

Zoom In Zoom Out

Sample Name: jd50441-4ar Acquired: 9/13/2022 18:48:54 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3990.0**	**54632.**	**10387.**	**1569.6**
Stddev	3.9	7.	66.	4.7
%RSD	.09829	.01217	.63419	.30201
#1	3988.8	54637.	10319.	1568.6
#2	3986.9	54624.	10393.	1565.4
#3	3994.4	54633.	10450.	1574.7

Zoom In Zoom Out

Sample Name: jd50441-5ar Acquired: 9/13/2022 18:54:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**-.0139**	**.0035**	**.2421**	**.1665**	**-.0001**	**-.0032**	F **391.4**
Stddev	.0006	.0062	.0013	.0016	.0007	.0001	.0007	2.0
%RSD	35.31	44.74	38.37	.6404	.4330	107.9	23.41	.5039
#1	.0013	-.0098	.0025	.2406	.1669	-.0001	-.0039	391.9
#2	.0014	-.0107	.0050	.2420	.1657	-.0000	-.0024	389.3
#3	.0023	-.0210	.0029	.2437	.1669	-.0000	-.0032	393.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**.0622**	**.0001**	**.0034**	**.0043**	**.0329**	**7.613**	**.0296**
Stddev	.0001	.0025	.0004	.0001	.0002	.0016	.023	.0010
%RSD	2.932	4.061	360.3	3.399	5.729	4.807	.2982	3.420
#1	.0032	.0613	-.0003	.0036	.0041	.0338	7.626	.0295
#2	.0031	.0602	.0004	.0035	.0046	.0311	7.587	.0306
#3	.0032	.0650	.0003	.0033	.0043	.0339	7.626	.0286

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.30**	**.1841**	**.0026**	F **1037.**	**.0096**	**.0806**	**.0081**	**40.29**
Stddev	.13	.0002	.0002	19.	.0003	.0031	.0023	.10
%RSD	1.078	.1274	5.867	1.806	3.031	3.817	27.96	.2491
#1	12.28	.1843	.0026	1048.	.0097	.0793	.0105	40.37
#2	12.18	.1842	.0024	1015.	.0093	.0841	.0079	40.18
#3	12.45	.1839	.0027	1047.	.0098	.0784	.0059	40.33

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0036**	**.0074**	**14.22**	**-.0016**	**1.525**	**.0002**	**.0043**	**.0025**
Stddev	.0004	.0037	.04	.0007	.004	.0002	.0038	.0003
%RSD	11.89	50.24	.2937	43.59	.2570	98.11	88.76	13.61
#1	.0033	.0069	14.23	-.0013	1.527	.0003	.0012	.0029
#2	.0040	.0039	14.17	-.0011	1.520	.0002	.0086	.0024
#3	.0033	.0113	14.25	-.0023	1.527	-.0000	.0031	.0023

Zoom In Zoom Out

Sample Name: jd50441-5ar Acquired: 9/13/2022 18:54:07 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0163**	**.1307**	W **-.0012**
Stddev	.0005	.0006	.0001
%RSD	3.116	.4836	7.752
#1	.0167	.1300	-.0013
#2	.0165	.1313	-.0012
#3	.0157	.1309	-.0011

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3862.6**	**53784.**	**10238.**	**1519.3**
Stddev	1.8	78.	96.	4.5
%RSD	.04741	.14443	.93667	.29332
#1	3861.6	53746.	10215.	1515.5
#2	3861.5	53874.	10343.	1524.2
#3	3864.7	53734.	10155.	1518.3

Zoom In Zoom Out

Sample Name: jd50441-6ar Acquired: 9/13/2022 18:59:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0976**	**.0039**	**.2069**	**.3277**	**.0001**	**-.0010**	F **357.5**
Stddev	.0004	.0036	.0018	.0013	.0003	.0001	.0022	.6
%RSD	31.01	3.726	47.16	.6226	.0913	88.03	220.3	.1696
#1	.0015	.1007	.0021	.2077	.3275	.0000	-.0034	358.1
#2	.0009	.0936	.0057	.2076	.3280	.0002	.0009	357.4
#3	.0017	.0986	.0039	.2054	.3275	.0001	-.0005	356.9

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0055**	**.0644**	**.0005**	**.0063**	**.0121**	**.0289**	**7.144**	**.0200**
Stddev	.0004	.0031	.0003	.0001	.0003	.0011	.059	.0011
%RSD	7.894	4.853	53.88	2.361	2.316	3.878	.8329	5.652
#1	.0050	.0636	.0008	.0062	.0124	.0297	7.075	.0190
#2	.0057	.0678	.0004	.0064	.0121	.0293	7.181	.0212
#3	.0057	.0617	.0003	.0061	.0119	.0276	7.175	.0197

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.52**	**.2141**	**.0000**	F **1029.**	**.0091**	**.0617**	**.0922**	**30.27**
Stddev	.11	.0006	.0002	18.	.0006	.0009	.0007	.04
%RSD	.6680	.2825	2388.	1.745	6.606	1.379	.7496	.1216
#1	16.54	.2135	.0001	1050.	.0097	.0620	.0926	30.28
#2	16.40	.2147	.0002	1019.	.0089	.0608	.0927	30.30
#3	16.62	.2142	-.0002	1019.	.0086	.0625	.0914	30.23

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**.0019**	**19.78**	**-.0027**	**1.132**	**-.0007**	**.0045**	**.0014**
Stddev	.0027	.0054	.05	.0008	.002	.0002	.0006	.0003
%RSD	102.7	278.7	.2378	29.54	.1591	33.48	14.32	19.99
#1	-.0003	.0061	19.83	-.0018	1.131	-.0006	.0038	.0017
#2	.0033	.0038	19.77	-.0029	1.134	-.0009	.0051	.0011
#3	.0049	-.0041	19.73	-.0033	1.131	-.0005	.0046	.0015

Zoom In Zoom Out

Sample Name: jd50441-6ar Acquired: 9/13/2022 18:59:21 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0196**	**.1399**	W **-.0016**
Stddev	.0016	.0004	.0002
%RSD	8.390	.2805	13.41
#1	.0187	.1395	-.0017
#2	.0185	.1402	-.0014
#3	.0214	.1401	-.0018

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3871.2**	**54058.**	**10282.**	**1526.0**
Stddev	3.7	67.	5.	3.5
%RSD	.09616	.12411	.04916	.23238
#1	3867.1	54129.	10278.	1522.3
#2	3874.4	54051.	10288.	1526.5
#3	3872.0	53995.	10280.	1529.3

Zoom In Zoom Out

Sample Name: jd50441-7ar Acquired: 9/13/2022 19:04:33 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	W **-.0678**	**.0050**	**.1637**	**.2638**	**-.0001**	**-.0007**	F **633.3**
Stddev	.0002	.0018	.0020	.0012	.0005	.0001	.0005	.4
%RSD	8.070	2.599	40.13	.7584	.1825	63.77	69.98	.0707
#1	.0026	-.0694	.0037	.1644	.2643	-.0000	-.0001	633.8
#2	.0027	-.0682	.0073	.1644	.2634	-.0002	-.0010	633.1
#3	.0023	-.0659	.0040	.1623	.2636	-.0002	-.0011	633.0

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.1414**	**.0078**	**.0004**	**.0041**	**.0271**	**8.933**	**.0179**
Stddev	.0002	.0019	.0001	.0002	.0003	.0012	.053	.0004
%RSD	21.30	1.367	1.213	46.31	6.171	4.317	.5994	2.452
#1	.0008	.1421	.0079	.0003	.0042	.0283	8.970	.0183
#2	.0010	.1392	.0078	.0002	.0038	.0272	8.958	.0179
#3	.0012	.1429	.0077	.0005	.0042	.0259	8.872	.0174

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.065**	**.9505**	**.0018**	F **1034.**	**.0095**	**.1655**	**.0086**	**15.36**
Stddev	.032	.0010	.0005	16.	.0010	.0050	.0009	.04
%RSD	.4556	.1101	29.29	1.569	10.30	3.000	10.86	.2424
#1	7.036	.9493	.0017	1019.	.0105	.1650	.0076	15.39
#2	7.099	.9510	.0024	1033.	.0085	.1608	.0095	15.32
#3	7.059	.9511	.0013	1051.	.0095	.1707	.0088	15.37

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**-.0005**	**23.00**	**-.0028**	**2.106**	**-.0010**	**.0064**	**.0057**
Stddev	.0033	.0039	.01	.0012	.004	.0002	.0013	.0005
%RSD	65.60	754.3	.0594	41.95	.2034	24.82	21.01	8.316
#1	.0089	.0022	23.00	-.0042	2.110	-.0007	.0076	.0057
#2	.0028	-.0050	22.99	-.0024	2.107	-.0010	.0066	.0062
#3	.0035	.0012	23.01	-.0019	2.102	-.0012	.0050	.0053

Zoom In Zoom Out

Sample Name: jd50441-7ar Acquired: 9/13/2022 19:04:33 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0269**	**.0756**	W **-.0017**
Stddev	.0007	.0004	.0001
%RSD	2.616	.4731	3.349
#1	.0265	.0760	-.0016
#2	.0277	.0756	-.0017
#3	.0264	.0753	-.0017

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3787.4**	**53288.**	**10120.**	**1490.4**
Stddev	6.3	59.	34.	.8
%RSD	.16548	.11074	.33220	.05205
#1	3780.9	53353.	10159.	1490.8
#2	3793.4	53238.	10101.	1490.8
#3	3787.9	53274.	10100.	1489.5

Zoom In Zoom Out

Sample Name: jd50441-8ar Acquired: 9/13/2022 19:09:57 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0938**	**.0067**	**.1076**	**.4835**	**.0002**	**-.0020**	F **248.3**	**.0070**
Stddev	.0003	.0030	.0003	.0005	.0003	.0001	.0017	.4	.0001
%RSD	31.88	3.178	4.246	.4730	.0661	31.25	85.91	.1553	.9764
#1	.0012	.0970	.0070	.1075	.4832	.0001	-.0003	248.5	.0070
#2	.0013	.0933	.0064	.1082	.4836	.0002	-.0037	248.6	.0069
#3	.0007	.0911	.0069	.1072	.4838	.0002	-.0019	247.9	.0070

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1652**	**.0200**	**.0011**	**.0246**	**.0437**	**4.999**	**.0093**	**8.319**	**2.167**
Stddev	.0008	.0002	.0003	.0000	.0015	.005	.0004	.108	.002
%RSD	.4985	1.245	23.71	.1473	3.356	.0985	4.135	1.292	.0987
#1	.1645	.0197	.0014	.0246	.0429	4.996	.0090	8.437	2.168
#2	.1649	.0201	.0009	.0246	.0429	5.004	.0097	8.293	2.165
#3	.1661	.0202	.0011	.0245	.0454	4.996	.0092	8.226	2.169

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	F **963.1**	**.0135**	**.0718**	**1.576**	**5.903**	**.0055**	**.0043**	**5.708**
Stddev	.0003	17.3	.0006	.0008	.003	.018	.0037	.0020	.028
%RSD	265.4	1.794	4.373	1.096	.2001	.3052	67.12	47.67	.4981
#1	.0004	979.5	.0142	.0727	1.575	5.908	.0084	.0058	5.715
#2	-.0002	964.6	.0132	.0712	1.580	5.883	.0068	.0020	5.677
#3	.0001	945.1	.0132	.0716	1.574	5.918	.0013	.0050	5.732

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**.8972**	**.0004**	**.0001**	**.0021**	**.0077**	**1.263**	**-.0005**
Stddev	.0010	.0018	.0004	.0013	.0001	.0013	.002	.0001
%RSD	50.22	.1984	110.5	1773.	6.538	16.83	.1304	28.03
#1	-.0021	.8954	-.0001	.0015	.0022	.0067	1.262	-.0005
#2	-.0010	.8973	.0004	-.0002	.0019	.0073	1.265	-.0005
#3	-.0030	.8990	.0008	-.0011	.0021	.0092	1.263	-.0003

Zoom In Zoom Out

Sample Name: jd50441-8ar Acquired: 9/13/2022 19:09:57 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3923.8**	**54574.**	**10303.**	**1551.9**
Stddev	3.1	106.	32.	7.7
%RSD	.07781	.19464	.31378	.49675
#1	3922.2	54592.	10280.	1549.6
#2	3927.3	54671.	10289.	1560.5
#3	3921.8	54460.	10340.	1545.6

Zoom In Zoom Out

Sample Name: jd50441-9ar Acquired: 9/13/2022 19:15:09 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0324**	**.0002**	**.0949**	**.2125**	**.0001**	**.0008**	**144.7**	**.0018**
Stddev	.0004	.0022	.0001	.0012	.0005	.0000	.0009	.1	.0000
%RSD	117.7	6.650	84.27	1.283	.2336	38.63	107.9	.0785	1.447
#1	.0002	.0308	.0001	.0962	.2121	.0001	-.0001	144.6	.0018
#2	.0000	.0349	.0001	.0947	.2124	.0001	.0008	144.7	.0018
#3	.0007	.0316	.0003	.0938	.2130	.0000	.0017	144.8	.0018

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0396**	**.0017**	**.0013**	**.0267**	**.0079**	**4.468**	**.0152**	**4.400**	**.2642**
Stddev	.0025	.0003	.0002	.0001	.0010	.033	.0006	.020	.0004
%RSD	6.197	15.17	12.78	.2523	12.18	.7426	3.816	.4497	.1658
#1	.0380	.0019	.0013	.0267	.0076	4.439	.0151	4.399	.2644
#2	.0382	.0014	.0011	.0268	.0071	4.460	.0159	4.381	.2646
#3	.0424	.0017	.0015	.0267	.0090	4.504	.0147	4.420	.2637

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	F **1012.**	**.0135**	**.0201**	**.0526**	**21.66**	**.0004**	**.0216**	**4.801**
Stddev	.0004	13.	.0002	.0015	.0008	.03	.0025	.0019	.006
%RSD	56.65	1.282	1.641	7.248	1.577	.1336	560.8	8.879	.1208
#1	-.0010	1027.	.0136	.0203	.0523	21.65	-.0024	.0196	4.803
#2	-.0003	1008.	.0136	.0186	.0535	21.69	.0016	.0218	4.805
#3	-.0006	1002.	.0132	.0215	.0520	21.63	.0022	.0235	4.794

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.6623**	**-.0008**	**-.0006**	**.0002**	**.0064**	**1.075**	**-.0003**
Stddev	.0011	.0014	.0001	.0001	.0004	.0016	.004	.0001
%RSD	104.0	.2173	17.53	12.31	241.4	24.38	.3603	41.96
#1	-.0023	.6608	-.0009	-.0006	.0003	.0046	1.071	-.0003
#2	-.0003	.6623	-.0007	-.0007	.0005	.0075	1.078	-.0002
#3	-.0005	.6637	-.0009	-.0006	-.0003	.0072	1.074	-.0004

Zoom In Zoom Out

Sample Name: jd50441-9ar Acquired: 9/13/2022 19:15:09 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3970.4**	**54522.**	**10352.**	**1560.2**
Stddev	2.7	53.	11.	4.7
%RSD	.06858	.09670	.10900	.30004
#1	3973.1	54467.	10351.	1562.5
#2	3967.6	54572.	10364.	1563.2
#3	3970.4	54526.	10341.	1554.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 19:20:24 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2444**	**38.36**	**1.942**	**1.958**	**1.915**	**1.949**	**1.932**	**38.91**	**1.940**
Stddev	.0001	.05	.006	.010	.001	.003	.011	.04	.006
%RSD	.0592	.1408	.3187	.4908	.0438	.1611	.5793	.0989	.3021
#1	.2443	38.37	1.935	1.947	1.916	1.953	1.919	38.95	1.934
#2	.2443	38.40	1.943	1.962	1.915	1.948	1.937	38.92	1.939
#3	.2446	38.30	1.947	1.964	1.914	1.947	1.940	38.87	1.946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.995**	**1.965**	**1.960**	**1.876**	**39.20**	**37.82**	**1.935**	**38.57**	**1.990**
Stddev	.003	.003	.002	.002	.09	.02	.002	.01	.002
%RSD	.1455	.1551	.0787	.0775	.2293	.0525	.0804	.0388	.0993
#1	1.993	1.968	1.961	1.876	39.30	37.83	1.933	38.57	1.989
#2	1.998	1.962	1.960	1.875	39.15	37.80	1.936	38.56	1.993
#3	1.994	1.967	1.958	1.878	39.14	37.83	1.935	38.59	1.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.994**	**37.18**	**1.967**	**1.821**	**1.999**	**1.908**	**1.964**	**1.928**	**5.107**
Stddev	.004	.16	.001	.007	.004	.003	.003	.003	.016
%RSD	.2031	.4190	.0457	.4031	.2073	.1506	.1573	.1637	.3158
#1	1.990	37.03	1.968	1.829	2.003	1.910	1.961	1.925	5.092
#2	1.993	37.17	1.966	1.820	1.998	1.908	1.965	1.931	5.104
#3	1.998	37.34	1.968	1.815	1.995	1.905	1.967	1.928	5.124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 19:20:24 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**1.912**	**1.984**	**1.985**	**1.967**	**1.997**	**2.003**	**1.982**
Stddev	.001	.001	.002	.011	.004	.006	.002	.001
%RSD	.0426	.0537	.0871	.5426	.1763	.2952	.1025	.0653
#1	1.997	1.913	1.984	1.973	1.966	1.996	2.003	1.982
#2	1.996	1.911	1.983	1.990	1.971	1.991	2.001	1.983
#3	1.998	1.913	1.986	1.993	1.964	2.003	2.005	1.980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4644.8**	**58998.**	**10508.**	**1724.3**
Stddev	4.1	112.	51.	3.5
%RSD	.08752	.19008	.48881	.20124
#1	4641.1	59095.	10449.	1727.5
#2	4649.2	58875.	10530.	1724.8
#3	4644.1	59022.	10545.	1720.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 19:25:12 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0036**	**.0013**	**.0027**	**.0004**	**-.0000**	**-.0011**	**-.0023**	**.0001**
Stddev	.0005	.0072	.0003	.0002	.0003	.0000	.0013	.0007	.0000
%RSD	53.89	203.2	25.70	6.074	69.93	186.1	112.2	30.58	37.04
#1	-.0005	-.0083	.0010	.0027	.0002	.0000	-.0010	-.0031	.0001
#2	-.0015	.0048	.0017	.0029	.0002	-.0000	.0001	-.0019	.0001
#3	-.0009	-.0072	.0013	.0025	.0007	-.0000	-.0024	-.0019	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0001**	**-.0003**	**.0002**	**.0035**	**.0926**	**.0034**	**.0045**	**.0000**
Stddev	.0017	.0004	.0007	.0004	.0012	.0074	.0008	.0151	.0000
%RSD	474.3	298.9	232.7	220.4	34.68	7.948	22.38	337.8	113.1
#1	.0016	.0003	.0005	-.0002	.0046	.0845	.0026	-.0051	.0001
#2	-.0017	-.0004	-.0006	.0001	.0023	.0944	.0041	.0219	.0000
#3	-.0010	-.0003	-.0007	.0007	.0035	.0988	.0036	-.0034	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.2521**	**.0001**	**.0078**	**-.0015**	**-.0027**	**.0004**	**-.0005**	**-.0001**
Stddev	.0003	.0032	.0004	.0030	.0015	.0086	.0012	.0010	.0012
%RSD	148.7	1.254	638.6	38.08	101.6	324.0	296.2	201.1	2358.
#1	.0005	.2558	-.0004	.0044	-.0024	-.0027	-.0008	.0004	-.0012
#2	.0001	.2503	.0004	.0093	-.0023	.0060	.0004	-.0016	-.0003
#3	-.0000	.2503	.0001	.0096	.0003	-.0113	.0016	-.0003	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 19:25:12 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0000**	**-.0001**	**-.0012**	**.0001**	**-.0004**	**-.0001**	**.0001**
Stddev	.0003	.0001	.0001	.0014	.0003	.0003	.0003	.0001
%RSD	42.65	289.4	95.29	114.9	409.0	79.62	560.9	118.4
#1	-.0011	-.0001	-.0000	-.0016	.0003	-.0007	.0003	.0001
#2	-.0005	-.0000	-.0001	-.0025	.0002	-.0003	-.0001	.0002
#3	-.0007	.0000	-.0003	.0003	-.0003	-.0001	-.0003	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5091.9**	**60907.**	**10522.**	**1776.0**
Stddev	8.1	80.	36.	12.8
%RSD	.15890	.13128	.34253	.71952
#1	5086.4	60857.	10488.	1763.4
#2	5101.2	60999.	10560.	1775.6
#3	5088.1	60865.	10518.	1788.9

Zoom In Zoom Out

Sample Name: jd50441-10ar Acquired: 9/13/2022 19:30:24 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.1806**	**.0031**	**.1116**	**.4423**	**.0002**	**-.0016**	**94.01**	**.0046**
Stddev	.0006	.0077	.0005	.0004	.0009	.0001	.0010	.18	.0002
%RSD	1396.	4.245	14.45	.3990	.2005	23.37	63.57	.1885	5.198
#1	.0006	.1813	.0028	.1116	.4433	.0003	-.0014	94.16	.0046
#2	-.0006	.1726	.0036	.1120	.4417	.0002	-.0007	94.07	.0049
#3	.0001	.1879	.0030	.1111	.4419	.0002	-.0026	93.82	.0044

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1398**	**.0303**	**.0010**	**.0153**	**.0773**	**3.607**	**.0075**	**5.249**	**2.046**
Stddev	.0015	.0003	.0005	.0003	.0019	.010	.0004	.042	.005
%RSD	1.093	1.104	46.47	2.165	2.489	.2824	5.179	.8031	.2351
#1	.1406	.0302	.0007	.0152	.0784	3.606	.0075	5.201	2.051
#2	.1407	.0300	.0008	.0157	.0783	3.598	.0071	5.281	2.043
#3	.1380	.0307	.0015	.0150	.0751	3.618	.0079	5.266	2.044

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	F **1063.**	**.0140**	**.0757**	**.4530**	**2.577**	**.0029**	**.0060**	**4.460**
Stddev	.0003	17.	.0004	.0003	.0009	.004	.0011	.0026	.006
%RSD	36.16	1.603	3.085	.3777	.1912	.1486	36.41	44.21	.1453
#1	.0011	1054.	.0138	.0755	.4524	2.572	.0028	.0090	4.454
#2	.0005	1083.	.0136	.0757	.4526	2.579	.0019	.0043	4.459
#3	.0008	1053.	.0145	.0760	.4540	2.579	.0040	.0046	4.467

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.4870**	**.0008**	**.0020**	**.0019**	**.0048**	**1.272**	**.0002**
Stddev	.0004	.0003	.0003	.0005	.0005	.0012	.001	.0002
%RSD	44.60	.0588	29.90	25.33	25.40	24.44	.0634	126.0
#1	-.0005	.4868	.0006	.0014	.0023	.0043	1.272	.0001
#2	-.0012	.4870	.0011	.0020	.0014	.0039	1.273	.0005
#3	-.0012	.4873	.0007	.0024	.0021	.0061	1.271	-.0000

Zoom In Zoom Out

Sample Name: jd50441-10ar Acquired: 9/13/2022 19:30:24 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3994.1**	**54890.**	**10358.**	**1569.7**
Stddev	4.5	174.	36.	1.1
%RSD	.11305	.31717	.35225	.07069
#1	3997.4	54689.	10389.	1570.9
#2	3989.0	54983.	10318.	1569.0
#3	3996.0	54998.	10366.	1569.1

Zoom In Zoom Out

Sample Name: jd50939-1ra Acquired: 9/13/2022 19:35:39 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.2537**	**.0101**	**.1014**	**.2939**	**.0001**	**-.0013**	**44.43**	**.0084**
Stddev	.0003	.0115	.0007	.0009	.0005	.0001	.0016	.10	.0002
%RSD	194.2	4.553	7.096	.8672	.1627	71.07	119.7	.2152	2.576
#1	.0001	.2566	.0100	.1021	.2945	.0000	-.0018	44.54	.0085
#2	-.0001	.2635	.0094	.1004	.2935	.0002	-.0026	44.41	.0085
#3	-.0004	.2409	.0108	.1017	.2939	.0002	.0005	44.35	.0082

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0189**	**.0006**	**.0017**	**.0174**	**.1560**	**4.257**	**.0076**	**4.597**	**.1647**
Stddev	.0011	.0003	.0005	.0003	.0017	.011	.0005	.010	.0002
%RSD	5.763	49.21	28.31	1.971	1.097	.2612	6.637	.2144	.1450
#1	.0201	.0005	.0023	.0175	.1573	4.267	.0081	4.607	.1646
#2	.0180	.0010	.0013	.0177	.1541	4.245	.0076	4.587	.1649
#3	.0187	.0004	.0017	.0171	.1566	4.260	.0071	4.598	.1644

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	F **1065.**	**.0063**	**3.740**	**.1080**	**1.227**	**.0030**	**.0060**	**2.527**
Stddev	.0004	6.	.0001	.006	.0016	.001	.0015	.0023	.009
%RSD	96.50	.5706	1.595	.1711	1.451	.0960	49.13	37.80	.3436
#1	-.0000	1069.	.0062	3.742	.1097	1.227	.0047	.0060	2.522
#2	.0005	1068.	.0064	3.745	.1076	1.226	.0024	.0082	2.537
#3	.0007	1058.	.0064	3.733	.1066	1.228	.0020	.0037	2.523

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.2184**	**.0042**	**-.0015**	**.0028**	**.0008**	**.5641**	**.0005**
Stddev	.0007	.0004	.0001	.0039	.0003	.0011	.0004	.0003
%RSD	481.9	.1634	2.294	267.0	10.27	139.5	.0692	59.70
#1	-.0005	.2188	.0042	.0027	.0027	-.0005	.5640	.0006
#2	.0007	.2183	.0042	-.0020	.0026	.0017	.5638	.0001
#3	-.0006	.2181	.0043	-.0051	.0031	.0012	.5646	.0006

Zoom In Zoom Out

Sample Name: jd50939-1ra Acquired: 9/13/2022 19:35:39 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4036.4**	**55166.**	**10417.**	**1576.6**
Stddev	4.7	65.	44.	4.4
%RSD	.11632	.11838	.42188	.28154
#1	4038.1	55204.	10380.	1578.4
#2	4031.1	55202.	10405.	1571.6
#3	4040.0	55090.	10466.	1579.9

Zoom In Zoom Out

Sample Name: mp35087-b1 3 Acquired: 9/13/2022 19:40:53 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2489**	**26.21**	**1.972**	**1.976**	**2.006**	**2.035**	F **-.0220**	**26.67**
Stddev	.0000	.01	.010	.017	.005	.001	.0005	.04
%RSD	.0039	.0571	.5190	.8782	.2618	.0589	2.234	.1339
#1	.2489	26.21	1.961	1.956	2.008	2.035	-.0219	26.63
#2	.2489	26.23	1.973	1.985	2.010	2.035	-.0226	26.70
#3	.2489	26.20	1.981	1.988	2.000	2.033	-.0216	26.67

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**.1753**	**2.011**	**2.026**	**1.955**	**26.88**	**25.75**	**.0035**
Stddev	.018	.0009	.005	.009	.003	.05	.08	.0007
%RSD	.9202	.5355	.2737	.4374	.1314	.1921	.3253	18.86
#1	1.988	.1751	2.014	2.029	1.957	26.82	25.76	.0035
#2	2.012	.1745	2.004	2.016	1.952	26.91	25.82	.0042
#3	2.024	.1763	2.014	2.033	1.954	26.91	25.66	.0028

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.32**	**2.061**	**2.049**	**25.66**	**2.028**	**1.999**	**2.058**	F **-.1367**
Stddev	.05	.006	.017	.05	.003	.004	.020	.0061
%RSD	.1898	.2719	.8058	.1938	.1424	.2245	.9699	4.445
#1	26.29	2.063	2.030	25.67	2.030	1.994	2.081	-.1425
#2	26.37	2.055	2.053	25.70	2.024	1.999	2.049	-.1304
#3	26.29	2.066	2.062	25.60	2.029	2.003	2.044	-.1371

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**1.929**	**.1271**	**2.071**	**1.999**	**2.073**	**1.825**	**2.034**
Stddev	.003	.003	.0018	.004	.004	.004	.024	.003
%RSD	.1529	.1617	1.447	.1800	.2079	.1830	1.330	.1236
#1	2.022	1.932	.1290	2.069	2.000	2.073	1.852	2.036
#2	2.028	1.929	.1267	2.068	2.003	2.068	1.805	2.031
#3	2.027	1.926	.1254	2.075	1.995	2.076	1.817	2.033

Zoom In Zoom Out

Sample Name: mp35087-b1 3 Acquired: 9/13/2022 19:40:53 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**2.069**	**2.028**	**2.057**
Stddev	.003	.014	.003
%RSD	.1534	.6880	.1353
#1	2.069	2.012	2.058
#2	2.072	2.034	2.054
#3	2.066	2.038	2.059

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4765.7**	**59948.**	**10667.**	**1742.1**
Stddev	4.9	196.	28.	15.8
%RSD	.10205	.32690	.26701	.90632
#1	4766.0	59925.	10698.	1759.9
#2	4770.4	60155.	10662.	1736.2
#3	4760.7	59765.	10641.	1730.0

Zoom In Zoom Out

Sample Name: mp35087-mb1 3 Acquired: 9/13/2022 19:45:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0024**	**.0007**	**.0037**	**.0001**	**-.0000**	**-.0017**	**.0114**	**.0002**
Stddev	.0001	.0060	.0004	.0007	.0001	.0000	.0019	.0032	.0001
%RSD	92.95	249.8	55.14	20.08	47.07	232.5	111.9	27.79	37.58
#1	-.0000	.0018	.0011	.0041	.0001	.0000	-.0034	.0119	.0001
#2	.0002	.0002	.0005	.0028	.0001	-.0000	.0003	.0081	.0002
#3	.0002	-.0092	.0005	.0040	.0002	-.0000	-.0019	.0144	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**-.0001**	**-.0002**	**.0105**	**.0497**	**.0014**	**.0006**	**.0001**
Stddev	.0016	.0004	.0006	.0003	.0018	.0042	.0010	.0263	.0001
%RSD	396.3	118.3	586.3	165.0	17.16	8.491	70.60	4540.	69.31
#1	.0009	.0002	-.0004	-.0005	.0112	.0461	.0016	-.0111	.0002
#2	-.0014	.0000	-.0005	.0001	.0084	.0544	.0003	-.0178	.0002
#3	.0018	.0008	.0006	-.0002	.0118	.0487	.0023	.0306	.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.2155**	**-.0002**	**.0040**	**-.0013**	**-.0028**	**.0003**	**-.0015**	**.0086**
Stddev	.0004	.0017	.0003	.0014	.0005	.0051	.0013	.0047	.0006
%RSD	57.12	.8016	190.9	36.00	38.85	182.8	484.9	316.4	7.429
#1	.0011	.2171	-.0001	.0024	-.0017	-.0071	-.0013	-.0057	.0093
#2	.0007	.2159	.0001	.0051	-.0013	.0028	.0012	.0036	.0082
#3	.0003	.2137	-.0006	.0046	-.0007	-.0041	.0009	-.0024	.0082

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0000**	**-.0002**	**-.0009**	**-.0000**	**-.0001**	**.0014**	**.0003**
Stddev	.0002	.0000	.0005	.0030	.0002	.0004	.0002	.0001
%RSD	27.43	169.0	224.7	340.7	3281.	623.5	13.15	42.17
#1	-.0004	-.0000	-.0005	-.0003	-.0002	-.0002	.0013	.0002
#2	-.0005	.0001	.0003	-.0041	.0002	-.0003	.0015	.0005
#3	-.0007	.0000	-.0005	.0017	-.0000	.0004	.0012	.0004

Zoom In Zoom Out

Sample Name: mp35087-mb1 3 Acquired: 9/13/2022 19:45:40 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5115.0**	**61946.**	**10658.**	**1767.7**
Stddev	10.6	107.	37.	.8
%RSD	.20760	.17300	.34389	.04478
#1	5102.9	61929.	10700.	1766.9
#2	5122.8	61847.	10632.	1768.5
#3	5119.2	62060.	10641.	1767.8

Zoom In Zoom Out

Sample Name: mp35087-lb1 Acquired: 9/13/2022 19:50:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0194**	**.0002**	**.0088**	**.0042**	**-.0000**	**-.0007**	**.7626**	**.0003**
Stddev	.0004	.0060	.0014	.0002	.0001	.0001	.0007	.0017	.0002
%RSD	192.9	31.08	700.0	2.393	2.929	402.0	109.3	.2181	81.91
#1	.0002	.0244	.0007	.0090	.0041	-.0000	-.0001	.7607	.0002
#2	-.0001	.0211	-.0014	.0086	.0042	.0001	-.0015	.7637	.0005
#3	-.0006	.0127	.0013	.0087	.0043	-.0001	-.0004	.7635	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**-.0000**	**-.0002**	**.0058**	**.0140**	**.7546**	**.0023**	**.1155**	**.0054**
Stddev	.0051	.0000	.0003	.0002	.0015	.0090	.0004	.0174	.0000
%RSD	373.0	212.4	202.3	3.830	10.80	1.196	15.06	15.04	.3437
#1	.0070	.0000	-.0001	.0059	.0155	.7620	.0019	.1222	.0055
#2	-.0027	-.0001	.0002	.0060	.0140	.7445	.0025	.0958	.0054
#3	-.0002	-.0000	-.0005	.0056	.0125	.7573	.0026	.1285	.0054

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.3340**	**.0008**	**.0572**	**.0010**	**.8142**	**.0010**	**-.0020**	**.2274**
Stddev	.0001	.0047	.0002	.0011	.0010	.0125	.0015	.0012	.0002
%RSD	20.39	1.417	27.73	1.838	99.28	1.534	155.1	59.83	.0711
#1	.0004	.3287	.0007	.0566	.0006	.8235	.0022	-.0025	.2273
#2	.0003	.3354	.0006	.0584	.0003	.8192	-.0007	-.0028	.2274
#3	.0003	.3379	.0010	.0566	.0021	.8000	.0014	-.0006	.2276

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0039**	**.0004**	**-.0006**	**.0005**	**.0006**	**.0119**	**.0002**
Stddev	.0010	.0000	.0002	.0009	.0000	.0007	.0001	.0003
%RSD	77.67	.6966	53.62	142.0	6.587	115.0	1.149	135.2
#1	-.0003	.0039	.0004	.0000	.0004	.0000	.0118	.0004
#2	-.0024	.0039	.0005	-.0002	.0005	.0004	.0118	-.0001
#3	-.0013	.0039	.0002	-.0016	.0004	.0013	.0121	.0005

Zoom In Zoom Out

Sample Name: mp35087-lb1 Acquired: 9/13/2022 19:50:51 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5115.4**	**61418.**	**10650.**	**1766.2**
Stddev	3.9	288.	48.	4.5
%RSD	.07595	.46943	.45239	.25387
#1	5113.7	61168.	10704.	1761.2
#2	5112.6	61353.	10637.	1767.4
#3	5119.8	61734.	10610.	1770.0

Zoom In Zoom Out

Sample Name: mp35087-ls1 3 Acquired: 9/13/2022 19:56:01 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2345**	**24.70**	**1.905**	**1.903**	**1.885**	**1.914**	F **-.0200**	**25.68**
Stddev	.0012	.03	.004	.002	.003	.001	.0006	.05
%RSD	.4970	.1014	.2272	.0850	.1532	.0458	2.790	.1977
#1	.2347	24.69	1.905	1.904	1.884	1.914	-.0201	25.73
#2	.2356	24.68	1.910	1.902	1.888	1.915	-.0205	25.63
#3	.2333	24.72	1.901	1.901	1.882	1.914	-.0194	25.67

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.905**	**.1643**	**1.896**	**1.903**	**1.840**	**25.33**	**24.38**	**.0028**
Stddev	.004	.0012	.002	.004	.002	.02	.09	.0003
%RSD	.1866	.7516	.1006	.2124	.1071	.0957	.3529	11.32
#1	1.905	.1632	1.897	1.898	1.841	25.36	24.32	.0025
#2	1.909	.1640	1.894	1.904	1.841	25.32	24.48	.0031
#3	1.902	.1656	1.898	1.906	1.838	25.32	24.34	.0029

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.79**	**1.940**	**1.980**	**24.37**	**1.906**	**1.730**	**1.931**	**.6672**
Stddev	.06	.003	.006	.07	.002	.008	.006	.0060
%RSD	.2342	.1364	.3200	.2752	.1201	.4597	.2891	.9067
#1	24.85	1.941	1.980	24.34	1.909	1.721	1.927	.6708
#2	24.74	1.942	1.987	24.45	1.905	1.735	1.928	.6602
#3	24.79	1.937	1.974	24.32	1.904	1.735	1.937	.6706

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.944**	**1.870**	**.1693**	**1.987**	**1.883**	**1.953**	**1.953**	**1.918**
Stddev	.004	.002	.0009	.006	.004	.002	.002	.002
%RSD	.1830	.1016	.5539	.2836	.2281	.1063	.1025	.1017
#1	1.940	1.868	.1685	1.983	1.881	1.951	1.954	1.920
#2	1.946	1.872	.1703	1.993	1.888	1.954	1.950	1.919
#3	1.945	1.870	.1691	1.984	1.880	1.955	1.954	1.916

Zoom In Zoom Out

Sample Name: mp35087-ls1 3 Acquired: 9/13/2022 19:56:01 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.967**	**1.944**	**1.942**
Stddev	.003	.006	.002
%RSD	.1679	.3018	.0790
#1	1.964	1.945	1.944
#2	1.971	1.949	1.942
#3	1.967	1.938	1.941

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4782.7**	**59985.**	**10655.**	**1738.9**
Stddev	6.0	137.	21.	2.4
%RSD	.12577	.22788	.19335	.13769
#1	4779.2	60023.	10677.	1738.5
#2	4789.7	59834.	10651.	1736.7
#3	4779.2	60099.	10636.	1741.4

Zoom In Zoom Out

Sample Name: mp35087-s1 Acquired: 9/13/2022 20:00:50 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2352**	**25.99**	**1.901**	**2.913**	**1.926**	**1.906**	F **-.0200**	**32.66**
Stddev	.0007	.05	.005	.012	.005	.006	.0003	.07
%RSD	.2852	.1855	.2584	.4274	.2557	.3160	1.694	.2077
#1	.2359	26.04	1.895	2.908	1.928	1.912	-.0196	32.73
#2	.2350	25.94	1.904	2.927	1.920	1.900	-.0202	32.60
#3	.2346	25.99	1.904	2.903	1.929	1.907	-.0203	32.66

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.902**	**.1698**	**1.897**	**1.902**	**1.845**	**25.49**	**26.93**	**.0047**
Stddev	.006	.0033	.002	.003	.003	.08	.09	.0005
%RSD	.3119	1.918	.0867	.1733	.1865	.3135	.3397	10.08
#1	1.895	.1680	1.896	1.899	1.849	25.57	26.99	.0053
#2	1.906	.1736	1.898	1.904	1.842	25.41	26.83	.0044
#3	1.905	.1678	1.895	1.905	1.845	25.48	26.98	.0046

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.73**	**1.938**	**1.963**	**42.14**	**1.911**	**1.798**	**1.936**	**1.934**
Stddev	.08	.002	.004	.13	.001	.009	.007	.009
%RSD	.2986	.1010	.2250	.3134	.0712	.5165	.3706	.4929
#1	26.78	1.936	1.961	42.21	1.911	1.788	1.945	1.944
#2	26.78	1.940	1.968	41.99	1.913	1.798	1.932	1.932
#3	26.64	1.939	1.959	42.22	1.910	1.807	1.932	1.926

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.940**	**1.846**	**2.220**	**1.972**	**1.884**	**1.963**	**1.820**	**1.912**
Stddev	.007	.014	.007	.000	.007	.001	.037	.002
%RSD	.3471	.7556	.3015	.0228	.3572	.0293	2.031	.1104
#1	1.948	1.860	2.228	1.973	1.887	1.963	1.862	1.910
#2	1.935	1.845	2.217	1.972	1.876	1.963	1.805	1.914
#3	1.937	1.832	2.215	1.972	1.889	1.962	1.792	1.911

Zoom In Zoom Out

Sample Name: mp35087-s1 Acquired: 9/13/2022 20:00:50 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.970**	**1.969**	**1.946**
Stddev	.006	.007	.001
%RSD	.2831	.3333	.0347
#1	1.973	1.965	1.945
#2	1.972	1.976	1.947
#3	1.963	1.964	1.945

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4715.1**	**59591.**	**10656.**	**1727.8**
Stddev	2.8	31.	55.	4.2
%RSD	.05869	.05271	.51486	.24249
#1	4712.0	59616.	10593.	1732.1
#2	4716.7	59602.	10681.	1723.8
#3	4716.8	59556.	10693.	1727.5

Zoom In Zoom Out

Sample Name: mp35087-s2 Acquired: 9/13/2022 20:05:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2374**	**26.25**	**1.912**	**2.942**	**1.947**	**1.923**	F **-.0209**	**33.10**
Stddev	.0004	.04	.023	.025	.003	.004	.0008	.06
%RSD	.1742	.1562	1.192	.8440	.1356	.2166	3.884	.1946
#1	.2375	26.29	1.935	2.962	1.949	1.927	-.0219	33.17
#2	.2369	26.21	1.889	2.914	1.944	1.919	-.0204	33.04
#3	.2378	26.25	1.913	2.950	1.948	1.922	-.0205	33.10

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.916**	**.1694**	**1.905**	**1.911**	**1.852**	**25.67**	**27.26**	**.0025**
Stddev	.016	.0041	.003	.007	.002	.08	.04	.0002
%RSD	.8209	2.418	.1719	.3649	.0792	.2976	.1463	9.452
#1	1.928	.1729	1.907	1.919	1.851	25.76	27.29	.0028
#2	1.898	.1649	1.906	1.909	1.851	25.62	27.28	.0024
#3	1.922	.1705	1.901	1.905	1.854	25.63	27.22	.0024

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.06**	**1.948**	**1.973**	**43.02**	**1.921**	**1.882**	**1.945**	**1.996**
Stddev	.13	.004	.016	.14	.005	.009	.013	.006
%RSD	.4969	.2100	.8028	.3143	.2733	.5071	.6620	.3186
#1	27.04	1.952	1.986	43.18	1.926	1.887	1.937	2.000
#2	27.21	1.946	1.955	42.96	1.920	1.871	1.960	1.988
#3	26.94	1.945	1.977	42.93	1.916	1.889	1.939	1.999

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.950**	**1.842**	**2.300**	**1.984**	**1.905**	**1.977**	**1.779**	**1.918**
Stddev	.005	.005	.006	.004	.004	.003	.013	.001
%RSD	.2416	.2919	.2667	.1795	.2235	.1521	.7244	.0640
#1	1.954	1.849	2.304	1.987	1.910	1.981	1.782	1.917
#2	1.945	1.838	2.293	1.984	1.904	1.976	1.790	1.918
#3	1.949	1.840	2.303	1.980	1.901	1.975	1.765	1.919

Zoom In Zoom Out

Sample Name: mp35087-s2 Acquired: 9/13/2022 20:05:37 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.983**	**1.978**	**1.962**
Stddev	.005	.012	.002
%RSD	.2643	.6119	.0964
#1	1.988	1.990	1.963
#2	1.978	1.966	1.960
#3	1.981	1.978	1.962

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4717.0**	**59671.**	**10619.**	**1726.9**
Stddev	7.2	75.	55.	12.9
%RSD	.15277	.12635	.51727	.74553
#1	4708.8	59622.	10586.	1715.5
#2	4720.1	59633.	10588.	1740.8
#3	4722.2	59758.	10682.	1724.3

Zoom In Zoom Out

Sample Name: jd49050-1u Acquired: 9/13/2022 20:10:22 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**1.477**	**.0035**	**1.077**	**.0541**	**.0001**	**-.0019**	**8.171**	**.0002**
Stddev	.0005	.008	.0002	.003	.0001	.0000	.0021	.028	.0001
%RSD	253.3	.5174	5.435	.2378	.2467	37.25	111.1	.3364	38.26
#1	-.0002	1.468	.0034	1.074	.0543	.0001	-.0001	8.191	.0001
#2	.0003	1.481	.0034	1.078	.0541	.0001	-.0013	8.140	.0002
#3	-.0007	1.482	.0037	1.079	.0541	.0000	-.0042	8.183	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0063**	**.0006**	**.0036**	**.0137**	**.2927**	**2.838**	**.0024**	**2.220**	**.0103**
Stddev	.0034	.0002	.0003	.0003	.0016	.019	.0006	.031	.0001
%RSD	53.64	36.50	9.076	2.048	.5387	.6716	27.13	1.386	.6373
#1	.0065	.0008	.0036	.0140	.2916	2.823	.0030	2.243	.0104
#2	.0095	.0004	.0032	.0138	.2921	2.833	.0017	2.185	.0103
#3	.0028	.0006	.0039	.0134	.2945	2.860	.0024	2.232	.0103

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**18.57**	**.0043**	**.0524**	**.0042**	**2.121**	**.0001**	**-.0004**	**2.147**
Stddev	.0002	.00	.0002	.0036	.0014	.004	.0007	.0004	.003
%RSD	23.06	.0037	4.771	6.924	34.11	.1718	625.9	97.55	.1167
#1	.0012	18.57	.0042	.0501	.0059	2.126	.0004	-.0008	2.147
#2	.0010	18.56	.0045	.0505	.0038	2.119	.0006	-.0001	2.144
#3	.0007	18.57	.0042	.0566	.0031	2.119	-.0006	-.0003	2.149

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**.0164**	**.0036**	**.0012**	**.0034**	**.0044**	**.0494**	**.0007**
Stddev	.0010	.0001	.0004	.0013	.0004	.0002	.0003	.0002
%RSD	56.49	.4967	11.94	100.8	10.97	4.839	.5264	27.97
#1	-.0010	.0165	.0037	.0022	.0031	.0046	.0491	.0005
#2	-.0014	.0163	.0039	-.0002	.0033	.0043	.0496	.0007
#3	-.0028	.0164	.0031	.0017	.0038	.0042	.0496	.0008

Zoom In Zoom Out

Sample Name: jd49050-1u Acquired: 9/13/2022 20:10:22 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4978.9**	**60942.**	**10612.**	**1756.3**
Stddev	5.8	56.	58.	4.5
%RSD	.11669	.09263	.55108	.25865
#1	4985.4	60928.	10640.	1753.7
#2	4976.8	60894.	10652.	1753.6
#3	4974.4	61005.	10545.	1761.6

Zoom In Zoom Out

Sample Name: mp35087-sd1 Acquired: 9/13/2022 20:15:28 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**1.443**	**.0100**	**1.098**	**.0548**	**.0001**	**.0015**	**8.279**	**.0004**
Stddev	.0012	.036	.0058	.005	.0005	.0002	.0027	.026	.0006
%RSD	60.83	2.469	58.31	.4220	.9677	142.4	184.4	.3153	156.8
#1	-.0033	1.467	.0090	1.103	.0549	.0003	.0030	8.277	.0011
#2	-.0017	1.460	.0047	1.097	.0553	-.0000	-.0017	8.306	-.0002
#3	-.0010	1.402	.0163	1.094	.0542	.0001	.0030	8.254	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0065**	**.0002**	**.0031**	**.0127**	**.3136**	**2.911**	**.0065**	**2.310**	**.0107**
Stddev	.0079	.0027	.0006	.0020	.0093	.033	.0037	.001	.0002
%RSD	121.9	1602.	19.66	15.36	2.977	1.144	56.54	.0460	1.720
#1	-.0156	.0007	.0036	.0107	.3203	2.924	.0065	2.311	.0105
#2	-.0013	.0026	.0024	.0146	.3177	2.874	.0102	2.309	.0109
#3	-.0026	-.0028	.0034	.0128	.3030	2.936	.0028	2.309	.0106

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**18.97**	**.0035**	**.0805**	**.0043**	**2.106**	**.0064**	**-.0106**	**2.147**
Stddev	.0008	.09	.0018	.0102	.0043	.014	.0052	.0215	.005
%RSD	242.5	.4667	51.22	12.63	100.0	.6445	82.24	202.6	.2499
#1	-.0010	19.00	.0019	.0696	.0091	2.117	.0038	-.0066	2.148
#2	.0005	19.05	.0054	.0823	.0032	2.091	.0124	-.0339	2.141
#3	-.0005	18.88	.0031	.0897	.0006	2.109	.0029	.0086	2.151

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0084**	**.0167**	**.0019**	**-.0057**	**.0036**	**.0093**	**.0566**	**.0001**
Stddev	.0034	.0004	.0004	.0029	.0003	.0055	.0003	.0007
%RSD	40.86	2.655	19.54	50.60	7.223	59.21	.4878	911.6
#1	-.0064	.0172	.0016	-.0055	.0034	.0153	.0563	-.0007
#2	-.0064	.0164	.0023	-.0086	.0035	.0081	.0568	.0006
#3	-.0123	.0164	.0017	-.0029	.0039	.0045	.0566	.0003

Zoom In Zoom Out

Sample Name: mp35087-sd1 Acquired: 9/13/2022 20:15:28 Type: Unk
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5082.1	61303.	10579.	1769.6
Stddev	1.7	134.	56.	2.4
%RSD	.03293	.21847	.52633	.13734
#1	5083.4	61169.	10570.	1767.4
#2	5080.2	61303.	10528.	1772.2
#3	5082.7	61437.	10638.	1769.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 20:20:39 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2428	38.53	1.941	1.965	1.925	1.949	1.934	39.24	1.947
Stddev	.0007	.07	.006	.004	.005	.006	.001	.04	.003
%RSD	.2977	.1696	.3222	.1756	.2776	.3281	.0287	.0943	.1587
#1	.2429	38.59	1.946	1.969	1.931	1.957	1.934	39.26	1.951
#2	.2420	38.46	1.943	1.963	1.921	1.946	1.934	39.26	1.946
#3	.2434	38.55	1.934	1.964	1.923	1.945	1.935	39.19	1.945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.983	1.954	1.955	1.868	39.36	38.08	1.929	38.88	1.985
Stddev	.007	.001	.001	.003	.13	.16	.002	.10	.002
%RSD	.3434	.0733	.0504	.1755	.3201	.4151	.1029	.2564	.1134
#1	1.986	1.955	1.956	1.870	39.51	38.26	1.930	39.00	1.987
#2	1.976	1.952	1.955	1.865	39.30	38.01	1.927	38.83	1.982
#3	1.988	1.955	1.954	1.870	39.27	37.97	1.931	38.82	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.994	38.06	1.966	F 1.766	1.994	1.893	1.966	1.937	5.107
Stddev	.003	.17	.002	.004	.001	.012	.003	.002	.006
%RSD	.1560	.4456	.0990	.2285	.0554	.6183	.1550	.0972	.1190
#1	1.997	38.25	1.964	1.769	1.995	1.906	1.966	1.937	5.112
#2	1.994	37.92	1.966	1.767	1.993	1.884	1.963	1.935	5.108
#3	1.991	38.00	1.968	1.761	1.995	1.888	1.969	1.939	5.100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				-10.00%					

Zoom In Zoom Out

Sample Name: ccv Acquired: 9/13/2022 20:20:39 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.001	1.922	1.983	1.998	1.958	2.001	1.998	1.972
Stddev	.002	.007	.000	.013	.004	.005	.003	.003
%RSD	.0808	.3868	.0147	.6588	.1914	.2276	.1269	.1256
#1	2.003	1.931	1.983	2.011	1.962	2.004	2.000	1.974
#2	2.001	1.917	1.982	1.984	1.954	2.004	1.995	1.970
#3	1.999	1.919	1.983	2.000	1.958	1.996	1.997	1.971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4665.2	59089.	10476.	1729.9
Stddev	7.1	146.	37.	2.6
%RSD	.15290	.24623	.35348	.14961
#1	4661.1	58951.	10434.	1727.0
#2	4673.5	59241.	10504.	1732.1
#3	4661.2	59076.	10489.	1730.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 9/13/2022 20:25:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0096	-.0019	.0053	-.0000	.0001	-.0006	-.0026
Stddev	.0002	.0083	.0004	.0007	.0001	.0001	.0002	.0010
%RSD	52.88	86.93	21.95	13.38	234.4	105.7	29.14	39.52
#1	-.0002	-.0140	-.0018	.0058	-.0001	.0000	-.0008	-.0030
#2	-.0006	-.0148	-.0015	.0045	.0001	.0000	-.0007	-.0034
#3	-.0005	.0000	-.0023	.0055	-.0001	.0001	-.0004	-.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	.0001	.0002	-.0004	.0055	.0359	.0022
Stddev	.0002	.0030	.0003	.0005	.0002	.0009	.0332	.0005
%RSD	874.7	2295.	255.5	250.8	39.81	16.03	92.53	21.19
#1	.0003	-.0035	.0002	-.0001	-.0002	.0046	.0617	.0022
#2	-.0002	.0021	.0003	.0007	-.0005	.0056	-.0016	.0026
#3	-.0000	.0010	-.0002	-.0000	-.0005	.0063	.0476	.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	.0001	.0005	.0958	.0003	.0080	.0000	-.0082
Stddev	.0217	.0001	.0003	.0038	.0004	.0016	.0021	.0065
%RSD	196.9	114.4	73.11	3.957	152.1	19.81	7832.	79.55
#1	.0253	.0001	.0008	.0972	.0005	.0098	.0008	-.0143
#2	.0217	.0002	.0002	.0916	.0004	.0068	.0016	-.0088
#3	-.0139	-.0000	.0004	.0988	-.0002	.0073	-.0024	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In
Zoom Out

Sample Name: ccb Acquired: 9/13/2022 20:25:29 Type: QC
Method: SGS 070219(v210) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0007**	**-.0001**	**-.0003**	**.0001**	**-.0001**	F **-.0021**	**.0002**
Stddev	.0009	.0010	.0015	.0007	.0000	.0004	.0002	.0003
%RSD	658.7	140.3	2424.	213.1	47.31	311.4	10.70	171.1
#1	-.0006	-.0018	-.0015	-.0009	.0000	.0003	-.0019	.0001
#2	-.0007	-.0002	.0015	-.0006	.0001	-.0002	-.0023	.0005
#3	.0009	-.0000	-.0002	.0005	.0001	-.0005	-.0022	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0019	
Low Limit							-.0019	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0012**	**.0000**	**.0001**
Stddev	.0004	.0001	.0001
%RSD	36.46	286.8	150.6
#1	.0016	.0002	.0002
#2	.0013	-.0000	.0001
#3	.0007	-.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5113.3**	**61421.**	**10582.**	**1778.1**
Stddev	6.6	228.	62.	1.2
%RSD	.12990	.37050	.58489	.07014
#1	5120.0	61658.	10652.	1779.1
#2	5113.0	61204.	10561.	1778.5
#3	5106.8	61401.	10534.	1776.7

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ag 328.068 {103}	☒	17	Mn	0.000140	0.000000	No
				Mo	-0.000064	0.000000	No
				Ti	-0.000039	0.000000	No
				Fe	-0.000076	0.000000	No
				V	-0.000911	0.000000	No
				Zn	-0.000100	0.000000	No
				Ca	-0.000005	0.000000	No
				Al	-0.000003	0.000000	No
				Mg	0.000002	0.000000	No
				Ba	-0.000089	0.000000	No
				Cr	-0.000038	0.000000	No
				Zr	0.006000	0.000000	No
				Sn	-0.000100	0.000000	No
				W	0.000000	0.000000	No
				K	-0.000080	0.000000	No
				Ce	-0.002021	0.000000	No
				Ni	0.000000	0.000000	No
	Al 396.152 { 85}	☒	6	Si	0.000913	0.000000	No
				Ca	0.000078	0.000000	No
				Mo	0.043334	0.000000	No
				Zr	-0.006000	0.000000	No
				Ti	-0.000017	0.000000	No
				Ce	-0.018255	0.000000	No
	As 189.042 {478}	☒	24	Al	0.000000	0.000000	No
				Fe	-0.000095	0.000000	No
				Ca	0.000001	0.000000	No
				Mn	-0.000110	0.000000	No
				Mo	0.002835	0.000000	No
				Cr	-0.000059	0.000000	No
				V	0.000065	0.000000	No
				Co	-0.000252	0.000000	No
				W	0.000000	0.000000	No
				Sn	-0.000023	0.000000	No
				Cd	-0.000194	0.000000	No
				Tl	0.000052	0.000000	No
				Be	-0.000017	0.000000	No
				Mg	-0.000003	0.000000	No
				Si	-0.000013	0.000000	No
				Zn	-0.000130	0.000000	No
				Sr	-0.000080	0.000000	No
				Zr	-0.000400	0.000000	No
				Ti	-0.000031	0.000000	No
				Cu	0.000077	0.000000	No
				K	0.000000	0.000000	No
				B	-0.000230	0.000000	No
				S	-0.000020	0.000000	No
				Ce	-0.000600	0.000000	No
	B 208.959 {462}	☒	1	Mo	0.030533	0.000000	No
	Ba 455.403 { 74}	☒	3	Mg	0.000021	0.000000	No
				Al	0.000002	0.000000	No
				Zr	0.000007	0.000000	No
	Be 313.042 {108}	☒	10	V	-0.003196	0.000000	No
				Mo	-0.000030	0.000000	No
				Ti	-0.001513	0.000000	No
				Mn	-0.000018	0.000000	No
				Ni	0.000001	0.000000	No
				Ca	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	0.000001	0.000000	No
			W	0.000000	0.000000	No
Bi 223.061 {451}	☒	9	V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	-0.000005	0.000000	No
			Mg	-0.000002	0.000000	No
			W	0.020000	0.000000	No
			Cu	-0.001186	0.000000	No
			Fe	0.000072	0.000000	No
			Cr	0.001500	0.000000	No
			Ti	-0.024787	0.000000	No
Ca 317.933 {106}	☒	13	Fe	0.000130	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
Cd 228.802 {448}	☒	13	As	0.002365	0.000000	No
			Ni	-0.000500	0.000000	No
			Fe	-0.000009	0.000000	No
			V	0.000110	0.000000	No
			Ba	0.000054	0.000000	No
			Co	-0.002660	0.000000	No
			Ca	0.000000	0.000000	No
			Mn	-0.000186	0.000000	No
			Cr	-0.000093	0.000000	No
			Cu	0.000024	0.000000	No
			Al	0.000000	0.000000	No
			Mo	-0.000096	0.000000	No
			W	0.000000	0.000000	No
Ce 404.076 { 83}	☒	9	V	-0.000600	0.000000	No
			Mn	-0.060000	0.000000	No
			Zr	-0.026700	0.000000	No
			Ca	-0.000120	0.000000	No
			Ti	-0.001800	0.000000	No
			Cr	-0.003800	0.000000	No
			As	-0.010200	0.000000	No
			Mo	-0.002500	0.000000	No
			Fe	-0.000210	0.000000	No
Co 228.616 {448}	☒	9	Fe	-0.000002	0.000000	No
			Cr	0.000100	0.000000	No
			Mo	-0.001780	0.000000	No
			Ni	0.000084	0.000000	No
			Ti	0.002198	0.000000	No
			W	0.000160	0.000000	No
			Cd	-0.000188	0.000000	No
			Ca	0.000000	0.000000	No
			As	0.000150	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Cr 267.716 {126}	☒	11	Mn	0.000318	0.000000	No
				Mo	-0.000342	0.000000	No
				Fe	-0.000007	0.000000	No
				Cd	-0.000050	0.000000	No
				Al	0.000004	0.000000	No
				Ca	0.000002	0.000000	No
				Mg	0.000001	0.000000	No
				Ti	-0.000053	0.000000	No
				Ba	0.000013	0.000000	No
				Cu	0.000100	0.000000	No
				Sr	-0.000100	0.000000	No
	Cu 324.754 {104}2	☒	17	Cr	0.000000	0.000000	No
				V	-0.000208	0.000000	No
				Mo	0.000632	0.000000	No
				Ti	0.000024	0.000000	No
				Fe	-0.000128	0.000000	No
				Al	0.000003	0.000000	No
				Sn	0.000103	0.000000	No
				Co	-0.001135	0.000000	No
				Zr	0.000100	0.000000	No
				Si	-0.000002	0.000000	No
				Mn	0.000026	0.000000	No
				Se	0.000050	0.000000	No
				Ag	0.000166	0.000000	No
				Sb	0.000024	0.000000	No
				Pb	-0.000260	0.000000	No
				Be	-0.000031	0.000000	No
				W	0.010000	0.000000	No
	Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
				Si	-0.000100	0.000000	No
				Tl	-0.002590	0.000000	No
				Se	-0.000050	0.000000	No
				Cr	0.001134	0.000000	No
				Mn	-0.001433	0.000000	No
				V	-0.000064	0.000000	No
				Cu	0.000953	0.000000	No
				K	-0.000200	0.000000	No
				Zn	0.000046	0.000000	No
				Ti	-0.000631	0.000000	No
				Ca	0.000013	0.000000	No
				Ba	0.001000	0.000000	No
				Al	0.000042	0.000000	No
	K 766.490 { 44}	☒	11	Fe	-0.000455	0.000000	No
				Al	-0.000083	0.000000	No
				Ca	-0.000079	0.000000	No
				Mn	0.001430	0.000000	No
				Si	-0.003000	0.000000	No
				V	-0.002000	0.000000	No
				Sn	-0.004700	0.000000	No
				Na	0.000300	0.000000	No
				Mo	-0.000850	0.000000	No
				Cu	-0.010000	0.000000	No
				Mg	-0.000066	0.000000	No
	Li 670.784 { 50}	☒	1	Ca	0.000018	0.000000	No
	Mg 279.079 {121}	☒	2	Mo	-0.006280	0.000000	No
				Fe	-0.000095	0.000000	No
	Mn 257.610 {131}	☒	7	Fe	-0.000013	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000044	0.000000	No
			Ba	0.000012	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	0.000000	0.000000	No
			Cr	-0.000114	0.000000	No
			Mg	0.000004	0.000000	No
Mo 202.030 {467}	☒	5	Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			W	0.000000	0.000000	No
			V	-0.000230	0.000000	No
Na 589.592 { 57}	☒	5	K	0.000038	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000120	0.000000	No
			V	-0.005000	0.000000	No
Ni 231.604 {446}	☒	11	Fe	0.000022	0.000000	No
			Zn	-0.000021	0.000000	No
			Be	-0.000112	0.000000	No
			Co	-0.000160	0.000000	No
			Tl	0.000209	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000100	0.000000	No
			Cr	-0.000014	0.000000	No
			Si	-0.000003	0.000000	No
			Sn	0.000079	0.000000	No
			W	0.000083	0.000000	No
P 177.495 {490}	☒	4	Mn	-0.001900	0.000000	No
			Ca	-0.000024	0.000000	No
			Fe	0.000000	0.000000	No
			Cu	-0.071000	0.000000	No
Pb 220.353 {453}	☒	23	Al	-0.000086	0.000000	No
			Fe	0.000039	0.000000	No
			Ca	-0.000012	0.000000	No
			Mn	0.000145	0.000000	No
			Zn	0.000064	0.000000	No
			Mo	-0.002073	0.000000	No
			Cu	0.000110	0.000000	No
			V	-0.000007	0.000000	No
			Co	0.000071	0.000000	No
			Ti	-0.000500	0.000000	No
			Si	0.000016	0.000000	No
			Ba	-0.000012	0.000000	No
			Sb	0.000006	0.000000	No
			Sr	-0.000100	0.000000	No
			W	-0.004000	0.000000	No
			Mg	0.000004	0.000000	No
			Cd	0.000076	0.000000	No
			Zr	-0.000300	0.000000	No
			Ni	0.000202	0.000000	No
			S	0.000005	0.000000	No
			Se	0.000036	0.000000	No
			As	0.000176	0.000000	No
			Cr	0.000034	0.000000	No
S 182.034 {485}	☒	6	Ca	-0.000132	0.000000	No
			Al	-0.000396	0.000000	No
			Fe	-0.000141	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.000000	0.000000	No
			Mn	0.003000	0.000000	No
			Mo	-0.017500	0.000000	No
Sb 206.833 {463}	☒	16	Fe	0.000005	0.000000	No
			Al	-0.000003	0.000000	No
			Ca	-0.000009	0.000000	No
			Ni	-0.000679	0.000000	No
			Cr	0.018000	0.000000	No
			V	-0.001400	0.000000	No
			Zn	-0.000400	0.000000	No
			Mo	-0.000266	0.000000	No
			Ti	0.000800	0.000000	No
			Sn	-0.020027	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000627	0.000000	No
			Sr	0.000209	0.000000	No
			W	0.000000	0.000000	No
			Si	0.000000	0.000000	No
			Ce	-0.002300	0.000000	No
Se 196.090 {472}	☒	24	Al	0.000010	0.000000	No
			Ca	0.000006	0.000000	No
			Mn	0.000470	0.000000	No
			Mo	0.000420	0.000000	No
			Fe	-0.000155	0.000000	No
			Co	-0.000200	0.000000	No
			V	-0.000289	0.000000	No
			Sr	-0.000008	0.000000	No
			Cu	-0.000113	0.000000	No
			W	-0.010000	0.000000	No
			Si	0.000037	0.000000	No
			Tl	0.000180	0.000000	No
			Be	-0.000143	0.000000	No
			Zn	-0.000250	0.000000	No
			B	-0.000141	0.000000	No
			Ti	0.000016	0.000000	No
			Cd	0.000090	0.000000	No
			Zr	-0.000280	0.000000	No
			Ba	-0.000220	0.000000	No
			Mg	-0.000002	0.000000	No
			Cr	0.000161	0.000000	No
			S	-0.000011	0.000000	No
			Ce	-0.005564	0.000000	No
			As	0.000400	0.000000	No
Si 212.412 {459}	☒	14	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.025500	0.000000	No
			Ti	0.001740	0.000000	No
			Al	0.000012	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000015	0.000000	No
			Sn	0.002213	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.000560	0.000000	No
			Pb	0.000471	0.000000	No
			V	0.001002	0.000000	No
			W	-0.025000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Sn 189.989 {478}	☒	6	Ti	-0.001411	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000005	0.000000	No
			Mn	0.000060	0.000000	No
			Si	0.000089	0.000000	No
			W	-0.010000	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	0.000002	0.000000	No
			Ca	0.000012	0.000000	No
Ti 334.904 {101}	☒	4	Cr	-0.000084	0.000000	No
			Mo	0.001149	0.000000	No
			Si	0.000035	0.000000	No
			Ca	-0.000003	0.000000	No
Tl 190.856 {477}	☒	24	Cr	0.000200	0.000000	No
			Mo	-0.001180	0.000000	No
			Al	0.000026	0.000000	No
			Fe	-0.000136	0.000000	No
			V	-0.024048	0.000000	No
			Mn	0.000470	0.000000	No
			Si	-0.000210	0.000000	No
			Ca	-0.000008	0.000000	No
			Ti	-0.002910	0.000000	No
			Mg	0.000012	0.000000	No
			Co	0.005660	0.000000	No
			Sr	-0.000250	0.000000	No
			B	-0.000030	0.000000	No
			Ba	0.000110	0.000000	No
			Zn	0.000025	0.000000	No
			As	0.000030	0.000000	No
			Ni	-0.000049	0.000000	No
			Cu	-0.000032	0.000000	No
			W	-0.005000	0.000000	No
			Sn	-0.000080	0.000000	No
			Se	-0.000040	0.000000	No
			S	-0.000020	0.000000	No
			K	0.000000	0.000000	No
			P	0.000333	0.000000	No
V 292.402 {115}	☒	7	Ti	0.000660	0.000000	No
			Mo	-0.014200	0.000000	No
			Fe	0.000019	0.000000	No
			Sr	0.000000	0.000000	No
			Cr	-0.002800	0.000000	No
			Mn	-0.001490	0.000000	No
			W	0.000050	0.000000	No
W 207.911 {462}	☒	24	Al	0.000002	0.000000	No
			Si	-0.000900	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.000200	0.000000	No
			Mg	0.000000	0.000000	No
			Mn	-0.000110	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.012200	0.000000	No
			Sn	0.000078	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Zr	-0.000000	0.000000	No
				B	-0.001000	0.000000	No
				Sb	-0.003000	0.000000	No
				Co	0.000041	0.000000	No
				Ni	-0.000263	0.000000	No
				Be	-0.000130	0.000000	No
				Se	-0.000080	0.000000	No
				Cu	-0.000118	0.000000	No
				Ba	-0.000090	0.000000	No
				Tl	-0.000110	0.000000	No
	Zn 206.200 {464}	☒	17	Cr	-0.000774	0.000000	No
				Mo	-0.000328	0.000000	No
				Fe	0.000003	0.000000	No
				Al	0.000002	0.000000	No
				Si	0.000006	0.000000	No
				Ba	-0.000060	0.000000	No
				Ca	0.000002	0.000000	No
				Sr	0.000017	0.000000	No
				Sn	0.000069	0.000000	No
				Cu	0.000056	0.000000	No
				As	-0.000050	0.000000	No
				Be	0.000071	0.000000	No
				Bi	-0.000400	0.000000	No
				W	0.010000	0.000000	No
				Ti	-0.000100	0.000000	No
				Mg	0.000006	0.000000	No
				Mn	-0.000110	0.000000	No
	Zr 339.198 { 99}	☒	9	Mo	0.000523	0.000000	No
				Ti	0.000190	0.000000	No
				Fe	-0.000010	0.000000	No
				Si	0.000070	0.000000	No
				Bi	0.000295	0.000000	No
				Cr	-0.000200	0.000000	No
				V	0.000200	0.000000	No
				Sn	-0.000400	0.000000	No
				W	0.020000	0.000000	No
	In 230.606 {446}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Y 224.306 {451}*	☒	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000242	0.118735	0.000000	1.000000
Al 396.152 { 85}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.001290	0.036696	0.000000	1.000000
As 189.042 {478}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000670	0.118855	0.000000	1.000000
B 208.959 {462}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000386	0.211404	0.000000	1.000000
Ba 455.403 { 74}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.006160	2.193654	0.000000	1.000000
Be 313.042 {108}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000026	1.689376	0.000000	1.000000
Bi 223.061 {451}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000811	0.272376	0.000000	1.000000
Ca 317.933 {106}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.003932	0.048718	0.000000	1.000000
Cd 228.802 {448}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000375	1.058809	0.000000	1.000000
Ce 404.076 { 83}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000282	0.038438	0.000000	1.000000
Co 228.616 {448}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000450	0.436733	0.000000	1.000000
Cr 267.716 {126}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000029	0.083662	0.000000	1.000000
Cu 324.754 {104}2	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.004346	0.224298	0.000000	1.000000
Fe 259.940 {130}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000030	0.042134	0.000000	1.000000
K 766.490 { 44}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.002017	0.037674	0.000000	1.000000
Li 670.784 { 50}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.003426	0.870287	0.000000	1.000000
Mg 279.079 {121}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000097	0.005095	0.000000	1.000000
Mn 257.610 {131}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000055	0.638699	0.000000	1.000000
Mo 202.030 {467}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000052	0.794073	0.000000	1.000000
Na 589.592 { 57}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.004228	0.115112	0.000000	1.000000
Ni 231.604 {446}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000253	0.324837	0.000000	1.000000
P 177.495 {490}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.002345	0.062925	0.000000	1.000000
Pb 220.353 {453}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000230	0.135480	0.000000	1.000000
S 182.034 {485}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000054	0.038205	0.000000	1.000000
Sb 206.833 {463}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000472	0.181730	0.000000	1.000000
Se 196.090 {472}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000563	0.087746	0.000000	1.000000
Si 212.412 {459}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.003689	0.234509	0.000000	1.000000
Sn 189.989 {478}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000322	0.172909	0.000000	1.000000
Sr 407.771 { 83}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000261	3.545821	0.000000	1.000000
Ti 334.904 {101}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000049	0.121837	0.000000	1.000000
Tl 190.856 {477}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000014	0.035912	0.000000	1.000000
V 292.402 {115}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	-0.000052	0.138555	0.000000	1.000000
W 207.911 {462}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000911	0.416332	0.000000	1.000000
Zn 206.200 {464}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.001134	0.891907	0.000000	1.000000
Zr 339.198 { 99}	9/14/2022 7:01:56	9/13/2022 10:16:22	Linear	1/Conc	0.000120	0.321809	0.000000	1.000000
In 230.606 {446}*	9/14/2022 7:01:56	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	9/14/2022 7:01:56	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	9/14/2022 7:01:56	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	9/14/2022 7:01:56	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ag 328.068 {103}	1.000000	0.000000	0.000557	0.001858	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.010279	0.034265	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001931	0.006435	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.001184	0.003947	OK.	1.000000	0.000000	1	0
	Ba 455.403 { 74}	1.000000	0.000000	0.000200	0.000666	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000095	0.000317	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001934	0.006445	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003794	0.012645	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000313	0.001043	OK.	1.000000	0.000000	1	0
	Ce 404.076 { 83}	1.000000	0.000000	0.003226	0.010752	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000426	0.001421	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000531	0.001770	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000460	0.001533	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002599	0.008665	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.027890	0.092965	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001137	0.003789	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.025722	0.085739	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000069	0.000230	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000403	0.001345	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.008010	0.026699	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000497	0.001658	OK.	1.000000	0.000000	1	0
	P 177.495 {490}	1.000000	0.000000	0.003370	0.011232	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001678	0.005593	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.006602	0.022008	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.002060	0.006866	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.003314	0.011047	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001577	0.005256	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.001283	0.004278	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000088	0.000294	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000503	0.001676	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.002391	0.007971	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000425	0.001418	OK.	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.001575	0.005249	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000311	0.001036	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000254	0.000846	OK.	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0

SGS

Mercury Hot Block Digestion Log

Methods (Circle as appropriate)
EPA 245.1 **SW846 7470A**
Required corrected Temp. Range is 90-95 C.

Product **HG / HGTCLP**
Matrix: Aq / Liq / DW

MA Batch #: MA52966
Analyst: LM
Date: 9/9/2022
Balance ID: N/A
Reagents: See attached sheet
Auto pipet ID: M-82

Hot Block # HG-8 Start Time: 13:45 End Time: 15:45 Tube # 1-23.
Start Temp: 93 Corrected Start Temp: 93 Correction: 0 Thermometer ID: 698872 .
End Temp: 94 Corrected Start Temp: 94 Correction: 0 Thermometer ID: 698872 .
Hot Block #_____ Start Time:_____ End Time:_____ Tube #_____.
Start Temp:_____ Corrected Start Temp:_____ Correction:_____ Thermometer ID:_____.
End Temp:_____ Corrected Start Temp:_____ Correction:_____ Thermometer ID:_____.

Bot #	Sample ID	pH <2 Y/N	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used Amount Spiked	Spiked Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments/Lot # and Vendor
1	MP35065-MB1	N	30	30				MP35065	
2	MP35065-B1	N	30	30	2.0ml	Y	0.03		HG-22-163-185-HGA3, IN. V.
3	MP35065-S1	Y	30	30	2.0ml	Y	0.03		JD51170-1, HG-22-163-185-HGA3, IN. V.
4	MP35065-S2	Y	30	30	2.0ml	Y	0.03		JD51170-1, HG-22-163-185-HGA3, IN. V.
5	JD51170-1	Y	30	30					
6	JD51170-2	Y	30	30					
7	JD51170-5	Y	30	30					
8	JD51153-1	Y	30	30					
9	JD51153-5	Y	30	30					
10	JD51158-1	Y	30	30					
11	JD51204-6	Y	30	30					
12	JD51204-7	Y	30	30					
13	JD51204-8	Y	30	30					
14	JD51256-10	Y	30	30					
15	JD51256-11	Y	30	30					
16	JD51277-2	Y	30	30					
17	JD51218-1	Y	30	30					
18	JD51218-2	Y	30	30					
19	JD51218-3	Y	30	30					
20	JD51248-2	Y	30	30					
21	JD51248-3	Y	30	30					
22	JD51248-12	Y	30	30					
23	JD51248-13	Y	30	30					
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

ANALYST: LM DATE: 9/12/22
Spike witness:_____ DATE:_____
QC: REVIEWER:_____ DATE:_____

DAYT-MET-0113-01-FORM-HGWATERPREP
Revision Date: 8/28/18

7.3.1

SGS

Mercury Hot Block Digestion Log

Product **HG / EHG / HGTCLP**
Matrix: Aq / Liq / DW

MA Batch #: MA52966
Analyst: LM
Date: 9/9/2022
Balance ID: B-24
Reagents: See attached sheet
Auto pipet ID M-82

Methods (Circle as appropriate)
EPA 245.1 **SW846 7470A**

Required corrected Temp. Range is 90-95 C.
Hot Block # HG-8 Start Time: 13:45 End Time: 15:45 Tube # S1-CRI.

Start Temp: 93 Corrected Start Temp: 93 Correction: 0 Thermometer ID: 698872 .
End Temp: 94 Corrected Start Temp: 94 Correction: 0 Thermometer ID: 698872 .

Bot #	Sample ID	pH <2 Y/N	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments/Lot # and Vendor
S-1	Calibration Blank	N	30 ml	30 ml	0.0 ml	N			
S-2	0.2 ug/l Standard	N	30 ml	30 ml	2.0 ml	Y	0.003		HG-22-163-186-HGA4, IN. V.
S-3	0.5 ug/l Standard	N	30 ml	30 ml	5.0 ml	Y	0.003		HG-22-163-186-HGA4, IN. V.
S-4	1.0 ug/l Standard	N	30 ml	30 ml	1.0 ml	Y	0.030		HG-22-163-185-HGA3, IN. V.
S-5	2.5 ug/l Standard	N	30 ml	30 ml	2.5 ml	Y	0.030		HG-22-163-185-HGA3, IN. V.
S-6	5.0 ug/l Standard	N	30 ml	30 ml	5.0 ml	Y	0.030		HG-22-163-185-HGA3, IN. V.
ICV	ICV_MA52966 (Externa	N	30 ml	30 ml	3.0 ml	Y	0.03		HG-22-163-187-HGB3, AGILENT
ICB	ICB	N	30 ml	30 ml	0.0 ml	N			
CCV	CCV_MA52966	N	30 ml	30 ml	2.5 ml	Y	0.03		HG-22-163-185-HGA3, IN. V.
CCB	CCB	N	30 ml	30 ml	0.0 ml	N			
CRI	CRI	N	30 ml	30 ml	2.0 ml	Y	0.003		HG-22-163-186-HGA4, IN. V.

ANALYST: LM
QC: REVIEWER:

DATE: 9/12/22
DATE:

Form HG022-03
Revision Date: 8/24/15

SGS

Reagent Information Log- Hg Waters

MA # 52966

Reagents	Exp. Date	Reagent # or
Conc. Sulfuric Acid	9/6/2024	Fisher 220502
Conc. Nitric Acid	4/27/2024	VWR 2022042860
Sodium Chloride-Hydroxylamine Hydrochloride	1/26/2023	HG-22-163 92 -HGHCL
Potassium Permanganate 5%	1/26/2023	HG-22-163 90 -HGKM1
Potassium Persulfate	1/26/2023	HG-22-163 91 -HGKS
Stannous Chloride	9/13/2022	HG-22-163 192 -HGS
STD Hg standard solution 1000 ppm	2/14/2023	Inorganic Ventures R2-HG696409
STD Hg standard solution 30 ppb	9/10/2022	HG-22-163- 185 -HGA3
STD Hg standard solution 3ppb	9/10/2022	HG-22-163- 186 -HGA4
ICV Hg standard solution 1000 ppm	4/30/2026	Agilent CT-1449
ICV Hg standard solution 30ppb	9/10/2022	HG-22-163- 187 -HGB3
Dilution Acid	12/20/2022	HG-21-416- 408 HGD2
Digestion Tubes Lot	N/A	Environmental Express 2204135
pH Paper	8/1/2024	Hydrion 222221

Form:GN087A79-03
Rev. Date: 6/6/17

SGS

Mercury Hot Block Digestion Log

Product **HG / HGTCLP**
Matrix: Aq / Liq / DW

Methods (Circle as appropriate)
EPA 245.1 **SW846 7470A**
Required corrected Temp. Range is 90-95 C.

MA Batch #: MA52966
Analyst: LM
Date: 9/12/2022
Balance ID: N/A
Reagents: See attached sheet
Auto pipet ID: M-82

Hot Block # HG-7 Start Time: 11:30 End Time: 13:30 Tube # 1-35.
Start Temp: 94 Corrected Start Temp: 93 Correction: -1 Thermometer ID: 3124942.
End Temp: 94 Corrected Start Temp: 93 Correction: -1 Thermometer ID: 3124942.
Hot Block #_____ Start Time:_____ End Time:_____ Tube #_____.
Start Temp:_____ Corrected Start Temp:_____ Correction:_____ Thermometer ID:_____.
End Temp:_____ Corrected Start Temp:_____ Correction:_____ Thermometer ID:_____.

Bot #	Sample ID	pH <2 Y/N	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments/Lot # and Vendor
1	MP35069-MB1	N	30	30				MP35069	
2	MP35069-B1	N	30	30	2.0ml	Y	0.03		HG-22-163-189-HGA3, IN. V.
3	MP35069-S1	Y	30	30	2.0ml	Y	0.03		JD51273-2, HG-22-163-189-HGA3, IN. V.
4	MP35069-S2	Y	30	30	2.0ml	Y	0.03		JD51273-2, HG-22-163-189-HGA3, IN. V.
5	JD51273-2	Y	30	30					
6	JD51275-3	Y	30	30					
7	JD51275-5	Y	30	30					
8	JD51275-7	Y	30	30					
9	JD51275-9	Y	30	30					
10	JD51289-2F	Y	30	30					
11	JD51289-3F	Y	30	30					
12	JD51289-4F	Y	30	30					
13	JD51277-1	Y	30	30					
14	JD51278-3	Y	30	30					
15	JD51278-5	Y	30	30					
16	JD51278-7	Y	30	30					
17	JD51278-9	Y	30	30					
18	JD51322-1	Y	5	30					DARK COLOR
19	JD51324-2	Y	5	30					DARK COLOR
20	MP35070-MB1	N	30	30				MP35070	TCLP
21	MP35070-B1	N	30	30	2.0ml	Y	0.03		HG-22-163-189-HGA3, IN. V.
22	MP35070-S1	Y	30	30	2.0ml	Y	0.03		JD51273-1A,HG-22-163-189-HGA3, IN. V.
23	MP35070-S2	Y	30	30	2.0ml	Y	0.03		JD51273-1A,HG-22-163-189-HGA3, IN. V.
24	JD51273-1A	Y	30	30					*0.5mL of HNO3 added at 11:00 for pH<2
25	JD50939-1RA	Y	30	30					
26	JD50441-1AR	Y	30	30					
27	JD50441-2AR	Y	30	30					
28	JD50441-3AR	Y	30	30					
29	JD50441-4AR	Y	30	30					
30	JD50441-5AR	Y	30	30					
31	JD50441-6AR	Y	30	30					
32	JD50441-7AR	Y	30	30					
33	JD50441-8AR	Y	30	30					
34	JD50441-9AR	Y	30	30					
35	JD50441-10AR	Y	30	30					

ANALYST: LM DATE: 9/12/22
Spike witness:_____ DATE:_____
QC: REVIEWER:_____ DATE:_____

DAYT-MET-0113-01-FORM-HGWATERPREP
Revision Date: 8/28/18

7.3.1

SGS

Reagent Information Log- Hg Waters

MA # 52966

Reagents	Exp. Date	Reagent # or
Conc. Sulfuric Acid	9/6/2024	Fisher 220502
Conc. Nitric Acid	4/27/2024	VWR 2022042860
Sodium Chloride-Hydroxylamine Hydrochloride	1/26/2023	HG-22-163 92 -HGHCL
Potassium Permanganate 5%	1/26/2023	HG-22-163 90 -HGKM1
Potassium Persulfate	1/26/2023	HG-22-163 91 -HGKS
Stannous Chloride	9/13/2022	HG-22-163 192 -HGS
STD Hg standard solution 1000 ppm	2/14/2023	Inorganic Ventures R2-HG696409
STD Hg standard solution 30 ppb	9/13/2022	HG-22-163- 189 -HGA3
STD Hg standard solution 3ppb	9/13/2022	HG-22-163- 190 -HGA4
ICV Hg standard solution 1000 ppm	4/30/2026	Agilent CT-1449
ICV Hg standard solution 30ppb	9/13/2022	HG-22-163- 191 -HGB3
Dilution Acid	12/20/2022	HG-21-416- 408 HGD2
Digestion Tubes Lot	N/A	Environmental Express 2204135
pH Paper	8/1/2024	Hydrion 222221

Form:GN087A79-03
Rev. Date: 6/6/17

SGS North America Inc.

Aqueous Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP35088	9/12/2022	10:45	9/12/2022	16:15	JD51273-1A	

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	MP-10	771240	95	0	95
1	End	MP-10	771240	95	0	95
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M-81	2204135	

Sample ID	Bottle Number	pH<2 (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP35088-MB1	N/A	N	50	50	AB		
MP35088-B1	N/A	N	50	50	AB	ABCD	
MP35088-S1	2.1	N	50	50	AB	ABCD	*
MP35088-S2	2.1	N	50	50	AB	ABCD	*
MP35088-SD1	2.1	N	50	50	AB		*
JD50441-10AR	1.4	Y	50	50	AB		
JD50441-1AR	2.4	Y	50	50	AB		
JD50441-2AR	1.4	Y	50	50	AB		
JD50441-3AR	1.4	Y	50	50	AB		
JD50441-4AR	2.4	Y	50	50	AB		
JD50441-5AR	2.5	Y	50	50	AB		
JD50441-6AR	1.4	Y	50	50	AB		
JD50441-7AR	2.4	Y	50	50	AB		
JD50441-8AR	1.4	Y	50	50	AB		
JD50441-9AR	2.4	Y	50	50	AB		
JD50939-1RA	2.1	Y	50	50	AB		
JD51258-1	1.1	Y	50	50	AB		
JD51273-1A	2.1	N	50	50	AB		*
MP35088-LB1	N/A	N	50	50	AB		*
MP35088-LS1	N/A	N	50	50	AB	ABCD	*

Reagents Groups

Group	Description	MLs Used
A	CONC. HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	ACCUTEST 13A REV1	0.5
B	ACCUTEST 14A REV1	0.5
C	MINERALS 5000 PPM	0.25
D	AG 20 PPM	0.625
E		
F		
G		
H		
I		

Comments: * 0.5 ML OF CONC. HNO3 WAS ADDED TO MAKE PH<2 AT 10:40

Analyst SARAHF **Approved by** MELVINA **Approved on** 9/12/2022

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

SGS

Metals Digestion Reagents Information Log

Digestion Batch ID: MP35088 Date: 09/12/22

Matrix: ALL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution- (ACCUTEST 13A REV1)	1/28/2023	MP-21-58-64
Spiking Solution- (ACCUTEST 14A REV1)	1/28/2023	MP-21-58-62
Spiking Solution - 5000 mg/l Minerals	6/28/2023	T2-MEB719158 MFG: INO.VENT.
Spiking Solution - Sulfur 1000ppm	5/17/2024	LOT: 051721 MFG: ABSOLUTE STD.
Spiking Solution - Si 1000ppm	11/29/2022	S2-S1700841 MFG: INO.VENT.
Spiking Solution - Bi 1000ppm	12/10/2022	22125008 MFG: INO.VENT.
Spiking Solution - Se 20ppm	2/28/2023	MP-21-58-70
Spiking Solution - Li 1000ppm	11/15/2023	S2-L1701641 MFG: INO.VENT.
Spiking Solution- Ag 20 ppm	2/9/2023	MP-21-58-67
Spiking Solution - (ACCUTEST 13B REV1)	10/15/2022	MP-21-58-42
Spiking Solution - (ACCUTEST 14B REV1)	10/15/2022	MP-21-58-43
Spiking Solution - 1000ppm Minerals	2/18/2023	MP-21-58-68
Spiking Solution- P		
Nitric Acid	9/12/2024	LOT:MKCQ7081 MFG: SIGMA ALDRICH
Nitric Acid (1:1)	3/7/2023	MP-21-60-117 1:1 HNO3
Hydrochloric Acid	9/12/2024	LOT:21CC662007 MFG: JT BAKER
Hydrochloric Acid (1:1)	3/2/2023	MP-21-60-114 1:1 HCL
Hydrogen Peroxide	8/18/2024	LOT: 221315 MFG: FISHER
Soil Lab Control/Soil LC	7/6/2024	LOT: D110-540 MFG: ERA
Teflon Chips(For Soil MB and Blank Spike)	N/A	LOT: 27407287 MFG: SAINT-GOBAIN
Digestion Tubes	N/A	LOT: 2204135 MFG: ENV. EXPRESS
pH Paper	2/15/2024	LOT: 205521 MFG: HYDRION
Filter paper Q8	N/A	LOT: 17470298 MFG: FISHER

Spike witnessed By: RE

metals digestion reagents information log 2022
1/17/18

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Sample: JD50441-1 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-1

Wet Weight (Total)	31.75	g
Tare Weight	23.65	g
Dry Weight (Total)	30.39	g
Solids, Percent	83.2	%

Sample: JD50441-2 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-2

Wet Weight (Total)	26.45	g
Tare Weight	18.91	g
Dry Weight (Total)	25.14	g
Solids, Percent	82.6	%

Sample: JD50441-3 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-3

Wet Weight (Total)	30.31	g
Tare Weight	21.41	g
Dry Weight (Total)	28.68	g
Solids, Percent	81.7	%

Sample: JD50441-4 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-4

Wet Weight (Total)	33.36	g
Tare Weight	25.05	g
Dry Weight (Total)	31.87	g
Solids, Percent	82.1	%

Sample: JD50441-5 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-5

Wet Weight (Total)	33.07	g
Tare Weight	25.38	g
Dry Weight (Total)	32.4	g
Solids, Percent	91.3	%

Sample: JD50441-6 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-6

Wet Weight (Total)	32.75	g
Tare Weight	27.73	g
Dry Weight (Total)	32.1	g
Solids, Percent	87.1	%

Percent Solids Raw Data Summary

Job Number: JD50441R
Account: EEENJF Equity Environmental Engineering
Project: 329 Clarkson Ave, Brooklyn, NY

Sample: JD50441-7 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-7

Wet Weight (Total)	31.09	g
Tare Weight	24.38	g
Dry Weight (Total)	29.94	g
Solids, Percent	82.9	%

Sample: JD50441-8 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-8

Wet Weight (Total)	32.4	g
Tare Weight	26.56	g
Dry Weight (Total)	31.54	g
Solids, Percent	85.3	%

Sample: JD50441-9 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-9

Wet Weight (Total)	30.93	g
Tare Weight	24.5	g
Dry Weight (Total)	29.86	g
Solids, Percent	83.4	%

Sample: JD50441-10 **Analyzed:** 23-AUG-22 by BG **Method:** SM2540 G 18TH ED MOD
ClientID: WC-201

Wet Weight (Total)	26.8	g
Tare Weight	18.34	g
Dry Weight (Total)	24.99	g
Solids, Percent	78.6	%

Misc. Raw Data

Raw Data

SGS

TOXICITY CHARACTERISTIC LEACHING PROCEDURE FOR METALS & EXTRACTABLES, METHOD SW846 1311 (TCLPE)

NOTE: Only one lot of fluid 1 or fluid 2 may be used per sheet. Lots shown on page 2. **TC Batch ID: TCO769**

TCLPE

Samples		Container			Leaching Dates		Leaching Times				Extracted Masses			Preliminary Evaluation*					Extraction Fluid					
Sample ID	PS?* (Y/N)	No.	Type	Rot.	Started	Stopped	Start	Earliest Stop	Latest Stop	Actual Stop	Grams Total	%SOL	Grams Solid	Buffer TV	Step1 pH	Step 1 spin	Buffer TV	Step2 pH	Fluid #	pH	Pass?	Vol. (mL)	Buffer TV	Final pH
PH Buffer														4.00	4.01		4.00	4.01	#1 pH = 4.93 ± 0.05 #2 pH = 2.88 ± 0.05				4.00	4.01
PH Buffer														7.00	7.02		7.00	7.02					7.00	7.01
PH Buffer														10.00	10.00		10.00	10.00					10.00	10.00
LB (fluid #1)	N	8	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	NA	NA	NA	NA	NA	NA	NA	NA	1	4.92	YES	2000	NA	4.98
LB (fluid #2)	N	18	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	NA	NA	NA	NA	NA	NA	NA	NA	2	2.88	YES	2000	NA	2.62
JD50939-1	N	1	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.64	100	100.64	NA	6.63	5 mins	NA	1.46	1	4.92	YES	2012.8	NA	5.04
JD50908-4	N	3	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.78	100	100.78	NA	10.18	5 mins	NA	5.92	2	2.88	YES	2015.6	NA	6.28
JD50441-1	N	5	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.68	100	100.68	NA	9.00	5 mins	NA	1.43	1	4.92	YES	2013.6	NA	5.47
JD50441-3	N	6	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.98	100	100.98	NA	7.58	5 mins	NA	1.40	1	4.92	YES	2019.6	NA	5.05
JD50441-4	N	7	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.69	100	100.69	NA	8.95	5 mins	NA	1.41	1	4.92	YES	2013.8	NA	5.17
JD50441-5	N	14	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.27	100	100.27	NA	9.58	5 mins	NA	1.50	1	4.92	YES	2005.4	NA	6.13
JD50441-6	N	16	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.21	100	100.21	NA	9.61	5 mins	NA	1.47	1	4.92	YES	2004.2	NA	5.54
JD50441-7	N	19	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.18	100	100.18	NA	10.24	5 mins	NA	2.69	1	4.92	YES	2003.6	NA	6.93
JD50441-2	N	21	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.11	100	100.11	NA	9.06	5 mins	NA	1.47	1	4.92	YES	2002.2	NA	5.69
JD50441-8	N	31	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.23	100	100.23	NA	9.12	5 mins	NA	1.57	1	4.92	YES	2004.6	NA	5.32
PH Buffer														4.00	4.05		2.00	2.05					4.00	4.04
PH Buffer														10.00	10.00		4.00	4.05					10.00	10.03
JD50441-9	N	32	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.48	100	100.48	NA	7.61	5 mins	NA	1.46	1	4.92	YES	2009.6	NA	5.23
JD50441-10	N	34	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.84	100	100.84	NA	8.75	5 mins	NA	1.47	1	4.92	YES	2016.8	NA	5.02
JD51258-1	N	36	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.35	100	100.35	NA	9.81	5 mins	NA	1.50	1	4.92	YES	2007	NA	6.63
JD51260-1	N	40	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.77	100	100.77	NA	6.57	5 mins	NA	1.40	1	4.92	YES	2015.4	NA	5.04
JD51273-1	N	41	M/E	9	8-Sep-22	9-Sep-22	13:57	5:57	9:57	7:57	100.58	100	100.58	NA	11.75	5 mins	NA	1.89	1	4.92	YES	2011.6	NA	5.62
												100	0.00	NA		5 mins	NA		1	4.92	YES		NA	
												100	0.00	NA		5 mins	NA		1	4.92	YES		NA	
												100	0.00	NA		5 mins	NA		1	4.92	YES		NA	
												100	0.00	NA		5 mins	NA		1	4.92	YES		NA	
												100	0.00	NA		5 mins	NA		1	4.92	YES		NA	
PH Buffer														4.00	4.05		2.00	2.05					4.00	4.05
PH Buffer														10.00	10.00		4.00	4.05					7.00	7.04

Comments and additional information continued on the next page. (*PS=particle sizing)

Data Reviewer / Date: _____ Set-up analyst: NF Take-down analyst: NF

Form: AGN-TCLPE-07b
Revised: 18-Jun-17
Validated: AD, 18-Jun-17

SGS ACCUTEST

TOXICITY CHARACTERISTIC LEACHING PROCEDURE FOR METALS & EXTRACTABLES, METHOD SW846 1311 (TCLPE)

TC Batch ID: TCO769

Balance ID: B54

pH meter ID: PH 67

Temperature ranges during leaching. (Must be from 20.5-25.4 °C, and recorded for each leaching period).

	Uncorrected Temperatures			Corrected Temperatures		
Probe ID	Minimum	Maximum	CF	Minimum	Maximum	For rotator(s)
56418			0	0.00	0.00	7 & 8
50266	22.63	23.80	0	22.63	23.80	9 & 10
56717			0	0.00	0.00	4
45776			0	0.00	0.00	5
49504			0	0.00	0.00	11 & 12

Rotator revolution rates. (Must be from 28-32 rpm, and check weekly for all rotators).

Rotator ID:	Rate:	Last measured:
4	32	15-Jul-22
5	29	15-Jul-22
7	28	15-Jul-22
8	NA	22-Apr-21
9	32	15-Jul-22
10	32	15-Jul-22
11	NA	7-Sep-21
12	28	15-Jul-22

***Preliminary Evaluation Temperature (49.5-50.4 °C, heat for 10 min)**

Thermometer ID: 5624720

Expiration: 13-Jul-23

Recorded temperature: 50

Heating time: Start:

End:

Reagent Information	Reagent ID or Manufacturer Lot	Expiration Date
Reagent		
Extraction fluid 1	GNE7-70894-TCLP	3-Aug-2022
Extraction fluid 2	GNE7-70895-TCLP	3-Aug-2022
TCLP filters	Env. Exp. Lot 115066-2038-AG	N/A
Filter acid-rinse solution	GNE7-70898-TCLP	20-Jan-2023
pH 2 buffer	FISHER 210051	1-Mar-2023
pH 4 buffer	FISHER 215966	1-Nov-2023
pH 7 buffer	FISHER 215965	1-Sep-2023
pH 10 buffer	FISHER 210276	1-Feb-2023
pH 12 buffer	N/A	N/A
pH 13 buffer	RICCA 2107D21	1-Jan-2023
Nitric acid, concentrated	REAGENTS 8203522	31-Jan-2024
Nitric acid, 1N		
1N HCl	GNE6-70547-TCLP	12/2/2022

APPENDIX I

Waste Manifests

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-831

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

MONTECALVO DISPOSAL SERVICES, INC.
75 CROWS MILL ROAD
KEASBEY, NJ 08832

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	VALERIE MONTECALVO / FRANK E.	EFFECTIVE DATE:	06/28/2023
COUNTY:	MONTECALVO	EXPIRATION DATE:	**06/27/2024**
TELEPHONE NO:	OUT OF STATE (732)738-6000	US EPA ID NUMBER:	110007138178

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
BAYSHORE SOIL MANAGEMENT, LLC	KEASBEY , NJ	Petroleum Contaminated Soil	
MONTECALVO DISPOSAL SERVICES, INC.	KEASBEY , NJ	Waste Tires	

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: Laura Stevens Digitally signed by Laura Stevens Date: 2023.05.12 11:32:39 -04'00' Date:_____/_____/_____

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for change of address or company name.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage .. treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department at the time of permit renewal, or to any law enforcement officer, if requested to do so.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-831

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

MONTECALVO DISPOSAL SERVICES, INC.
75 CROWS MILL ROAD
KEASBEY, NJ 08832

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	VALERIE MONTECALVO / FRANK E.	EFFECTIVE DATE:	06/28/2023
COUNTY:	MONTECALVO	EXPIRATION DATE:	**06/27/2024**
TELEPHONE NO:	OUT OF STATE (732)738-6000	US EPA ID NUMBER:	110007138178

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

19 (Nineteen) Permitted Vehicle(s)

NJ AP205F
NJ AU168Y
NJ AU319M
NJ AW148W
NJ AW149W
NJ AW260N
NJ AW261N
NJ AW333J
NJ AW534D
NJ AW584J
NJ AW585J
NJ AW586J
NJ AW797H
NJ AW867M
NJ AW868M
NJ AW904L
NJ AX412S
NJ AX470T
NJ AX809K
End of List

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-158

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

REPUBLIC ENVIRONMENTAL SYSTEM TRANS GROUP
21 CHURCH ROAD
HATFIELD, PA 19440

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	JEFFERY DIAZ/RALPH GRILLO	EFFECTIVE DATE:	10/01/2023
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**09/30/2024**
TELEPHONE NO:	(800)558-5011	US EPA ID NUMBER:	PAD982661381

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
ADVANCED ENVIRONMENTAL RECYCLING CO, LLC.	ALLENTOWN , PA	Non-Hazardous Industrial/Commercial	
AERC RECYCLING SOLUTIONS (26TH ST)	ALLENTOWN , PA	Universal Waste	
AERC RECYCLING SOLUTIONS (MITCHELL AVE)	ALLENTOWN , PA	Hazardous Industrial/Commercial	
ALLWORTH LLC	BIRMINGHAM , AL	Hazardous Industrial/Commercial	
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Hazardous Industrial/Commercial	
CLEAN HARBORS OF BALTIMORE	BALTIMORE , MD	Non-Hazardous Industrial/Commercial Grease Trap Waste Waste Oil	
Clean Water of New York Inc	Staten Island , NY	Waste Oil	
Covanta Niagara I, LLC	Niagara Falls , NY	Non-Hazardous Industrial/Commercial	
CWM CHEMICAL SERVICES LLC	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CYCLE CHEM (PA)	LEWISBERRY , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
ENVIRITE OF PENNSYLVANIA	YORK , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: Laura Stevens Digitally signed by Laura Stevens Date: 2023.09.08 14:26:05 -04'00' Date:____/____/____

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for change of address or company name.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage .. treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department at the time of permit renewal, or to any law enforcement officer, if requested to do so.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-158

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

REPUBLIC ENVIRONMENTAL SYSTEM TRANS GROUP
21 CHURCH ROAD
HATFIELD, PA 19440

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	JEFFERY DIAZ/RALPH GRILLO	EFFECTIVE DATE:	10/01/2023
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**09/30/2024**
TELEPHONE NO:	(800)558-5011	US EPA ID NUMBER:	PAD982661381

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
ENVIRITE OF PENNSYLVANIA	YORK , PA	Waste Oil	
GIANT RESOURCE RECOVERY-SUMTER	SUMTER , SC	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
GREYMART ENVIRONMENTAL SERVICES	BROOKLYN , NY	Non-Hazardous Industrial/Commercial	
Hempstead Resource Recovery Facility	Westbury , NY	Non-Hazardous Industrial/Commercial	
INMETCO	ELLWOOD CITY , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
MAUMEE EXPRESS INC	LEBANON , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
NORLITE, LLC	COHOES , NY	Hazardous Industrial/Commercial	
NORTHLAND ENVIRONMENTAL, LLC	PROVIDENCE , RI	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Grease Trap Waste Hazardous Industrial/Commercial Waste Oil Universal Waste	
NORTHLIGHT REDEVELOPMENT PROJECT	PERTH AMBOY , NJ	Universal Waste	
NORTRU, LLC	DETROIT , MI	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Grease Trap Waste Hazardous Industrial/Commercial Waste Oil Universal Waste	
NORWALK WWTP	NORWALK , CT	Universal Waste	
RENSSELAER POLYTECHNIC INSTITUTE (BLAW KNOX RPI USE ONLY)	TROY , NY	Universal Waste	
REPUBLIC ENVIRONMENTAL SYSTEMS (PA) INC.	HATFIELD , PA	Non-Hazardous Industrial/Commercial Asbestos	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-158

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

REPUBLIC ENVIRONMENTAL SYSTEM TRANS GROUP
21 CHURCH ROAD
HATFIELD, PA 19440

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	JEFFERY DIAZ/RALPH GRILLO	EFFECTIVE DATE:	10/01/2023
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**09/30/2024**
TELEPHONE NO:	(800)558-5011	US EPA ID NUMBER:	PAD982661381

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
REPUBLIC ENVIRONMENTAL SYSTEMS (PA) INC.	HATFIELD , PA	Petroleum Contaminated Soil Waste Tires Grease Trap Waste Hazardous Industrial/Commercial Waste Oil Universal Waste	
ROSS INCINERATION SERVICES, INC.	GRAFTON , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
STERICYCLE, INC.	INDIANAPOLIS , IN	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil Medical	
VEOLIA ENVIRONMENTAL SERVICE LLC	PORT ARTHUR , TX	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
VEOLIA ES TECHNICAL SOLUTIONS	FLANDERS , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
VEOLIA ES TECHNICAL SOLUTIONS, LLC	MIDDLESEX , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
VICKERY ENVIRONMENTAL, INC.	VICKERY , OH	Hazardous Industrial/Commercial	
WASTE RECOVERY SOLUTIONS	MYERSTOWN , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

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TELEPHONE NO:	(800)558-5011	US EPA ID NUMBER:	PAD982661381

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

200 (Two Hundred) Permitted Vehicle(s)

CT 52196A	ME 2825824	ME 5072376	PA AG36957	RI 36446
IN 2305051	ME 2825825	MN 2037PRA	PA AG36960	RI 36447
IN 2735725	ME 2825826	MN 2431PRA	PA AG38752	RI 36448
IN 3275239	ME 2825827	MN 2432PRA	PA AG43884	RI 36449
IN 3275299	ME 2825828	MN 2433PRA	PA AG59733	RI 36687
IN 3275611	ME 2825829	MN 2434PRA	PA AG59734	RI 48593
IN 3556036	ME 2825830	NJ AT319C	PA AG61259	RI 58623
IN 3567446	ME 2825831	NJ AT320C	PA AG97210	RI 58657
IN P828154	ME 2826071	NJ AX223C	PA AG97496	RI 58666
IN P828155	ME 2826072	NJ AX224C	PA AH33678	RI 91593
IN P835447	ME 2826073	NJ AX225C	PA PT0197T	RI 93930
IN P835456	ME 2826074	NJ AX226C	PA PT0361P	RI 94226
IN P835457	ME 2826075	NJ AX231C	PA PT1286H	TN U336748
IN P835458	ME 2826076	NJ XABG63	PA PT1959M	TN U483384
IN P835459	ME 2826077	NJ XABG64	PA PT2644E	TN U945086
IN P835460	ME 2826078	NJ XABG65	PA PT3482S	TN U966694
IN P948819	ME 2826079	NJ XABG66	PA PT3483S	TN U966725
IN P966329	ME 2826080	NJ XABG67	PA PT4297M	TN U966758
ME 125556B	ME 2826081	NJ XABG69	PA PT5012N	TN U966762
ME 166227C	ME 2826082	NJ XBTK51	PA PT5019N	TN U966764
ME 166278C	ME 2826083	NJ XBTL44	PA PT5021N	End of List
ME 1663146	ME 2826084	NJ XBTL45	PA PT5024N	
ME 197223B	ME 2826085	NJ XBTL46	PA PT5025N	
ME 2053062	ME 2853190	NJ XGWB88	PA PT9039L	
ME 2174363	ME 2853289	NJ XJFZ21	PA PT9096R	
ME 2248182	ME 2916211	NJ XJFZ22	PA PT9346N	
ME 2248183	ME 2917135	NJ XJFZ98	PA YWJ1028	
ME 2345503	ME 2924545	NJ XJFZ99	PA YXG4860	
ME 2345504	ME 2924546	NJ XJGA37	PA ZJC7583	
ME 2345505	ME 2924547	NJ XKRK82	PA ZNV2562	
ME 2345506	ME 2924548	NJ XTDK86	PA ZNY4447	
ME 2373855	ME 2924784	NJ ZJY1830	PA ZPE2442	
ME 2373933	ME 2924786	OH J852019	PA ZPS3510	
ME 2392414	ME 2924886	OH PVX9512	RI 110143	
ME 2555491	ME 2924888	OH PVY1394	RI 36002	
ME 2823797	ME 2924891	OH PVY1400	RI 36003	
ME 2825151	ME 2927037	OH PWA8989	RI 36013	
ME 2825815	ME 3017987	OH PWA8990	RI 36014	
ME 2825816	ME 3017988	OH PWA8991	RI 36015	
ME 2825817	ME 3017989	OH PWA8992	RI 36018	
ME 2825818	ME 3017990	OH PWE4241	RI 36019	
ME 2825819	ME 3113725	OH PWE4269	RI 36020	
ME 2825820	ME 3113759	OH PWM9030	RI 36021	
ME 2825821	ME 3113760	OH PWN3469	RI 36022	
ME 2825822	ME 3916434	PA AG36948	RI 36023	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 2A-859

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

FAZTEC INDUSTRIES
200 BLOOMFIELD AVENUE
STATEN ISLAND, NY 10314

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	MICHAEL BELLONI /MARC DIFAZIO	EFFECTIVE DATE:	07/20/2023
COUNTY:	RICHMOND	EXPIRATION DATE:	**07/19/2024**
TELEPHONE NO:	(718)494-1600	US EPA ID NUMBER:	

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
110 Sand Company Clean Fill Disposal Site	Melville , NY	Non-Hazardous Industrial/Commercial	
ATLANTIC COUNTY UTILITIES AUTHORITY	EGG HARBOR , NJ	Non-Hazardous Industrial/Commercial Asbestos	
BAYSHORE SOIL MANAGEMENT, LLC	KEASBEY , NJ	Non-Hazardous Industrial/Commercial	
CAPE MAY CO. MUA	WOODBINE , NJ	Non-Hazardous Industrial/Commercial Asbestos	
CLEAN EARTH OF CARTERET	CARTERET , NJ	Non-Hazardous Industrial/Commercial	
CUMBERLAND COUNTY IMPROVEMENT AUTHORITY	MILLVILLE , NJ	Non-Hazardous Industrial/Commercial Asbestos	
EVERGREEN RECYCLING	NEWARK , NJ	Non-Hazardous Industrial/Commercial Waste Tires	
Faztec Industries	Staten Island , NY	Non-Hazardous Industrial/Commercial	
GLOUCESTER COUNTY IMPROVEMENT AUTHORITY	SWEDESBORO , NJ	Non-Hazardous Industrial/Commercial Asbestos	
MIDDLESEX COUNTY UA - EDGEBORO LANDFILL	EAST BRUNSWICK , NJ	Non-Hazardous Industrial/Commercial Asbestos	
MONMOUTH COUNTY RECLAMATION CENTER	TINTON FALLS , NJ	Non-Hazardous Industrial/Commercial Asbestos	
NORTH SHORE WASTE SOLUTIONS	STATEN ISLAND , NY	Non-Hazardous Industrial/Commercial	
OCEAN COUNTY LANDFILL	MANCHESTER , NJ	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: Patricia A. Leonardo Digitally signed by Patricia A. Leonardo Date: 2023.07.27 09:41:52 -04'00' Date:____/____/____

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for change of address or company name.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage.. treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department at the time of permit renewal, or to any law enforcement officer, if requested to do so.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

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200 BLOOMFIELD AVENUE
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CONTACT NAME:	MICHAEL BELLONI /MARC DIFAZIO	EFFECTIVE DATE:	07/20/2023
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TELEPHONE NO:	(718)494-1600	US EPA ID NUMBER:	

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
OCEAN COUNTY LANDFILL	MANCHESTER , NJ	Asbestos	
SALEM COUNTY IMPROVEMENT AUTHORITY	ALLOWAY , NJ	Non-Hazardous Industrial/Commercial Asbestos	
Staten Island C&D LLC	Staten Island , NY	Non-Hazardous Industrial/Commercial	
SUSSEX COUNTY MUNICIPAL UTILITIES AUTH.	LAFAYETTE , NJ	Non-Hazardous Industrial/Commercial Asbestos	
VALLEY INDUSTRIAL PROPERTIES LLC	NORTHAMPTON , PA	Non-Hazardous Industrial/Commercial	

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TELEPHONE NO:	(718)494-1600	US EPA ID NUMBER:	

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

37 (Thirty Seven) Permitted Vehicle(s)

NJ AT633A
NJ AT634A
NJ AT635A
NJ AT636A
NJ AU614S
NJ AU615S
NJ AU616S
NJ AU617S
NJ AU618S
NJ AW312K
NJ AW710F
NJ AW711F
NJ AW712F
NJ AW816H
NJ AW817H
NJ AX352N
NJ AX353N
NJ AX409J
NJ AX410J
NJ AX591U
NJ AX763B
NJ AX819F
NJ AX820F
NJ AY245B
NJ AY369D
NJ AY534H
NJ AY535H
NJ AY843E
NJ AY844E
NJ AY892A
NJ AY898L
NJ AY899L
NY 18135PF
NY 58734PC
NY 64853PC
NY 66023PC
NY 70466PC
End of List

APPENDIX J

Excavation Work Plan

Excavation Work Plan

Flatbush Station A&B Former Gas Holder Site
Brooklyn, New York
NYSDEC Site No.: 2-24-061
Order on Consent Index #: A2-0552-0606

September 2023

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Appendix A – Soil Reuse Plan

Introduction

CAMBA Housing Ventures (CHV) intends to redevelop a 54,843 square foot site located at 329 Clarkson Avenue, in Brooklyn, New York ("the Site") as part of the Vital Brooklyn Initiative. The project will involve the demolition in place of the existing 1-story, 45,120 gross-square-foot (GSF) parking garage that was originally constructed in 1958. The new development, Clarkson Estates (the "Proposed Development"), would consist of a 9-story – 98'-8"-foot tall, 334,745 GSF mixed-use building, which would include 289,683 GSF of residential space, 30,302 GSF of community facility space – (which is to include an approximately 6,336- square foot basketball court), and 14,760 GSF of enclosed parking with approximately 80 parking spaces. The Proposed Development would provide 328 new units of affordable housing with a mix of 36.286% studios (119 units), 35.06% 1-bedroom (115 units), 20.43% 2-bedroom (67 units) and 8.23% 3-bedroom units (27 units), approximately 30,750 square feet of community facility space in the cellar and on the first floor and adds a community-oriented amenity of an approximately 6,336-square foot basketball court.

The Site is located at 329 Clarkson Avenue in the Prospect Lefferts Gardens-Wingate neighborhood in Brooklyn, New York and is identified as Block 4828/Lot 21. Figure 1 shows the Site Location. The Site is currently improved with a 45,120-sqaure foot building in use as a SUNY Downstate one-story parking garage (Figure 2). The area surrounding the Site is relatively flat and consists of primarily institutional, commercial, and residential use properties. The Site is bounded by SUNY (State University of New York) Downstate Biotechnology Incubator to the north, a commercial permitted parking lot and residential to the south, the Rolph Henry Playground and a BP gasoline station to the east, and a commercial building to the west. Figure 3 is a land use map of the area in which the site is located.

The Site currently is zoned M1-1. To facilitate the Proposed Development, the New York State Urban Development Corporation d/b/a Empire State Development (ESD), in accordance with the New York State Urban Development Act (UDC Act), would override certain provisions of the NYC Zoning Resolution to allow for the substantial equivalent of an R7A zoning district with a C2-4 commercial overlay and associated height and setback waivers (the ESD Zoning Override). The ESD Zoning Override will be incorporated into ESD's proposed General Project Plan (GPP) for the Proposed Development in accordance with the UDC Act. In addition, the New York State Division of Housing and Community Renewal (HCR) would provide construction funding for the project.

The Site comprises part of a former Manufactured Gas Plant (MPG) site, known as the Flatbush Station A&B Former Gas Holder Site (DEC Site No. 224601) that was originally owned and operated by Brooklyn Union Gas. National Grid is responsible for the investigation and remediation of MGP contamination at the Development Site pursuant to an Order on Consent and Administrative Settlement (Index No. #A2-0552-0606) administered by the New York State Department of Environmental Conservation (NYSDEC).

National Grid completed a Site Characterization Report in 2011, which determined that although MGP contamination was identified at the Development Site, there were no ongoing exposures to such contamination. NYSDEC approved a Site Management Plan (SMP), dated July 2016, which sets forth various engineering and institutional controls required to prevent future exposure to contamination at the Site. The SMP restricts the use of the Site to commercial or industrial uses unless further investigation and remediation is undertaken. Given the proposed redevelopment of the Site, National Grid recently implemented a Remedial System Optimization Investigation Work Plan, dated May 21, 2021, and approved by NYSDEC. As detailed in the February 2022 Remedial System Optimization Investigation Report, no MGP contamination was identified within the areas to be excavated for redevelopment. Accordingly, site redevelopment will be undertaken in accordance with this Excavation Work Plan, prepared in accordance with the SMP, and 29 CFR 1910.120.

1.0 Notification

CAMBA Housing Ventures (CHV) will notify both the DEC (New York State Department of Environmental Conservation) and National Grid at least two weeks prior to the commencement of the implementation of this EWP. Such notification will include a copy of the contractor's HASP and a tentative schedule to complete the work.

2.0 Excavation Work Plan

The excavation will be conducted across the entire site for the purposes of construction of the new mixed-use building. The depth of excavation will be approximately 18 feet below ground surface for the installation of the foundation and utility connections. Sheeting and shoring will be installed during the remediation/construction. The estimated volume of soil to be excavated is 60,000 tons. The current engineering control, the Composite Cover System, will be disturbed and new CCS installed during the construction. The new construction will include sub-surface parking, indoor and outdoor community facilities, etc.

2.1 Soil Screening Methods

Visual, olfactory, and instrument-based soil screening will be performed by a qualified environmental professional (QEP) during all remedial and development excavations into known or potentially residual MGP contaminated material and non-MGP contaminated soils. Soil screening will be performed regardless of when the invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work.

Soils will be segregated based on previous environmental data and screening results into material that requires offsite disposal as either MGP-contaminated, hazardous, or non-hazardous. Excavated soil may be reused onsite except as set forth in Section 2.6 pending approval of the DEC.

2.2 Stockpile Methods

Stockpiles containing known or suspected impacts and or imported fill will be continuously encircled with a berm. It will be protected to prevent migration of dust regardless of the level of contamination. Tarps anchored such that they are not blown away will be used to cover the stockpiled soil. Contaminated water draining from the stockpiled soil will be collected from inside the bermed area and disposed of offsite in an appropriate manner. Hay bales will be used as needed near catch basins, surface waters, and other discharge points.

Stockpiles containing known or suspected impacts will be covered at the end of each workday with appropriately anchored tarps. Stockpiles containing known or suspected impacts will be routinely inspected and damaged tarp covers will be promptly replaced. Stockpiles containing known or suspected impacts will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC. Stockpiled material not being used will be removed within 30 days following disposal facility characterization.

2.3 Materials Excavation and Load Out

A QEP or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated residual MGP contaminated material.

The owner of the property and its contractors are solely responsible for safe execution of all invasive and other work performed under this EWP.

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

Loaded vehicles leaving the project site will be appropriately tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYS

Department of Transportation (DOT) requirements (and all other applicable transportation requirements).

Locations where vehicles enter or exit the project site shall be inspected daily for evidence of off-site soil tracking. If necessary, trucks will be cleaned (via approved dry or wet methods) of loose soil found on outside of vehicle or tires.

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

2.4 Materials Transport Off-Site

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

At a minimum, trucks should have competent cover systems and functional tailgates to prevent leakage of liquids. Trucks transporting residual MGP contaminated soils shall be lined with 6-mil polyethylene sheeting large enough to fully cover the top of the load. The truck covers shall be an impermeable soil cover. Additional automatic mesh tarps will be used to secure the liners. Loose- fitting canvas-type truck covers, or mesh covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used. All trucks transporting residual MGP contamination will be decontaminated prior to leaving the project site. Decontaminated water, if any, will be collected and disposed of off-site in an appropriate manner.

The following truck transport routes are recommended for transporting residual MGP and non-MGP contaminated soil:

1. Trucks will be required to enter and exit the project site via Rogers Avenue and Nostrand Avenue in Brooklyn.
2. The entry truck route (Figure 4) shall be as follows:
    - Traveling East of Prospect Parkway (NW-27E) to Exit 5
    - Left onto Caton Avenue.
    - Continue on Linden Avenue
    - Left onto Rogers Avenue.
    - Right onto Parkside Avenue.
    - Right onto Site.
3. The exit trucking route (Figure 5) shall be:
    - Right out of Site onto Parkside Avenue
    - Right onto New York Avenue
    - Right onto Church Avenue
    - Right onto Prospect Avenue/NY-27W

It is the property owner/contractor's responsibility to follow all applicable state, local, and municipal rules, regulations, and guidelines (including NYCDOT and NYSDOT) regarding truck routes.

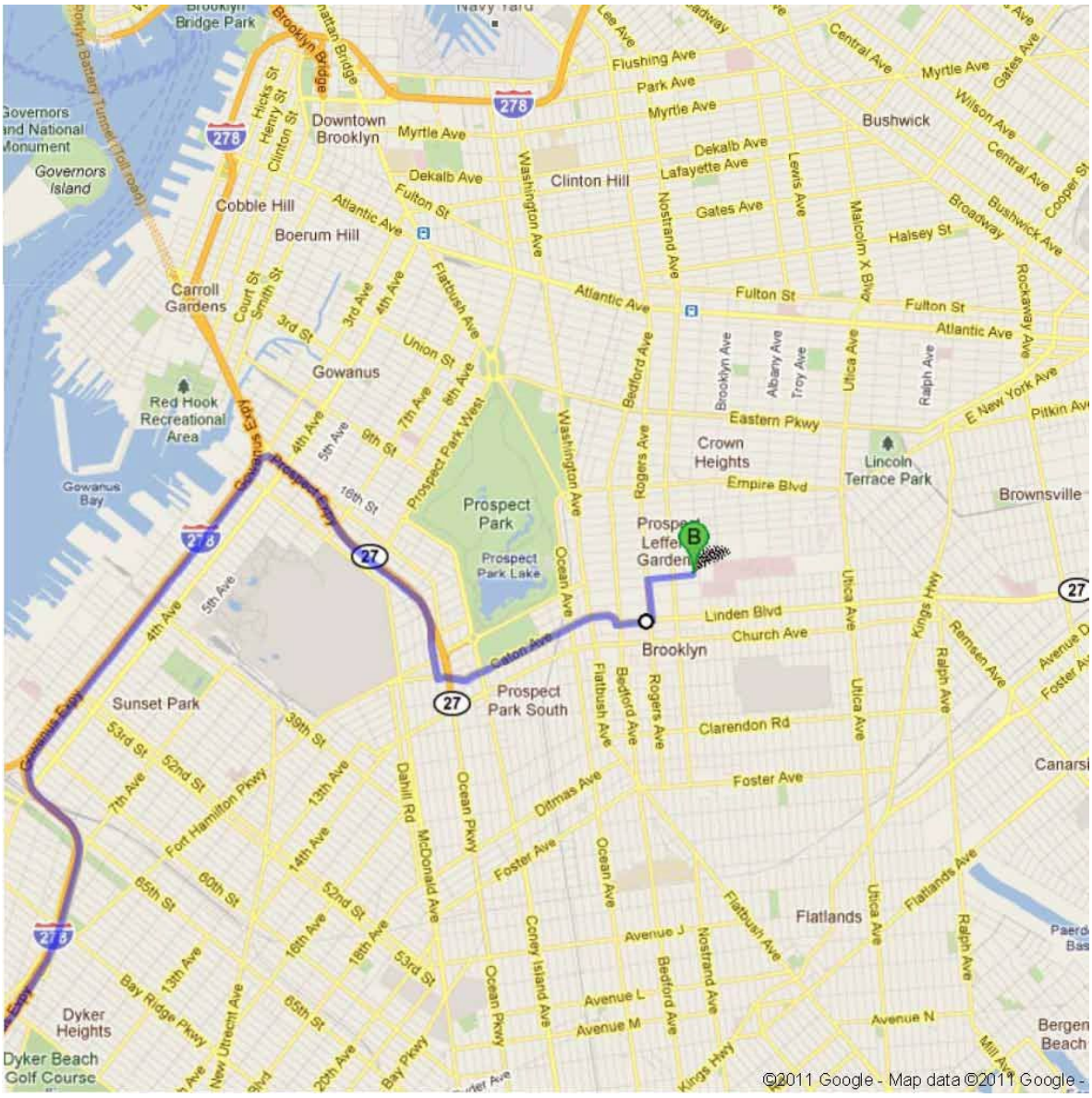


Figure 4 Truck Entry Route

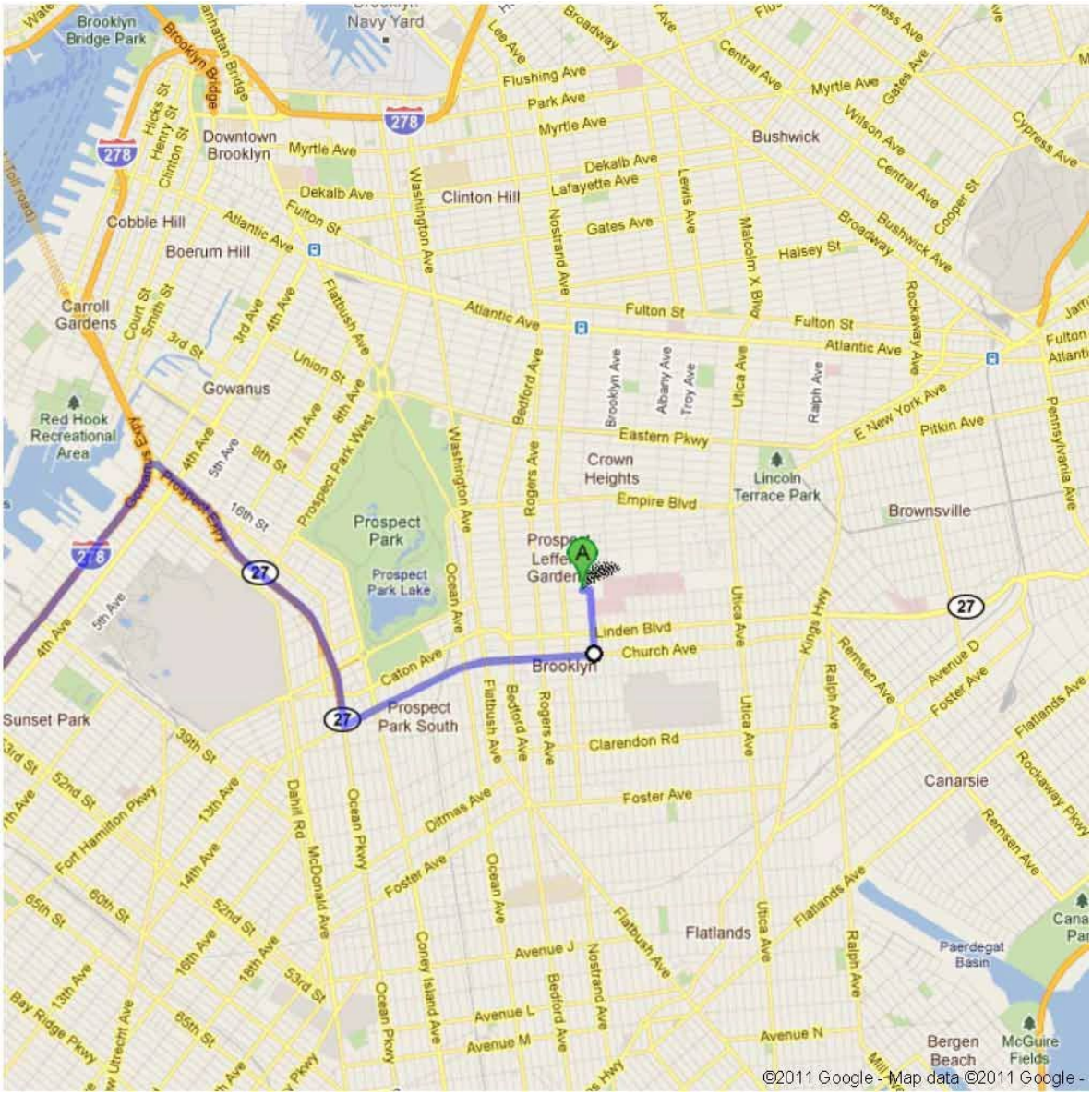


Figure 5 Truck Exit Route

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

Egress points for truck and equipment transport from the project site will be kept clean of dirt and other materials during any project site activity and development.

2.5 Materials Disposal Off-Site

All soil/fill/solid waste excavated and removed from areas known to have residual MGP contamination will be designated as contaminated and regulated material and will be transported and disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of soil/fill from this project site is proposed for unregulated off-site disposal (i.e., clean or non-MGP contaminated soil removed for development purposes), a formal request with an associated plan will be made to the DEC. Unregulated off-site management of materials from this project site will not occur without formal DEC approval.

Offsite disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate (i.e., hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility, etc.), a copy of each facility's Part 364 permit and facility acceptance letter. Actual disposal quantities and associated documentation will be reported to the DEC in the Periodic Review Report. This documentation will include waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken offsite will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

2.6 Materials Reuse Onsite

There is a potential for the reuse of soil/fill onsite around foundation elements of the proposed building and no closer than 2-feet from the final grade. Onsite soil will be used as backfill around the foundation elements of the proposed building. Onsite soil will be placed in lifts and properly compacted between 2-6 feet deep. Plans for reuse will be prepared in accordance with the requirements in DER-10. This plan will be evaluated and approved by DEC prior to implementation. The full Soil Reuse Plan is provided in Appendix A.

2.7 Fluids Management

All liquids to be removed from the project site, including excavation dewatering and groundwater monitoring well purge and development waters, will be handled, transported, and disposed in accordance with applicable local, State, and Federal regulations. Dewatering and purge and development fluids will not be recharged back to the land surface or subsurface of the project site but will be managed off-site. Discharge of water generated during large-scale construction activities to surface waters (i.e., a local pond, stream, or river) will be performed under a SPDES permit.

2.8 Cover System Restoration

After the completion of soil removal and any other invasive activities, the CCS will be restored in a manner that complies with the Decision Document. The demarcation layer, consisting of orange snow fencing material or equivalent material will be placed in excavation areas with residual MGP contamination. The demarcation layer will provide a visual reference to the top of the 'Residual MGP Contamination Zone', the zone that requires adherence to special conditions for disturbance of residual MGP contaminated soils defined in this SMP. If applicable, Figures 1-8, 1-9, and 1-10 of the SMP will be updated to show the revised residual MGP contamination. The revised figures will be included in the subsequent Periodic Review Report and in any updates to the SMP. If the type of cover system changes from that which exists prior to the excavation (i.e., a soil cover is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the 'Residual MGP Contamination Zone". A figure showing the modified surface will be included in the subsequent Periodic Review Report and in any updates to the SMP.

2.9 Backfill from Off-Site Sources

All materials proposed for import onto the project site must be approved by the qualified environmental professional and DEC in compliance with the applicable provisions in the SMP prior to receipt at the project site.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the project site. The appropriate Request to Import Form will be completed and submitted to the NYSDEC.

All imported soils will meet the backfill and cover soil quality standards established in 6 NYCRR 375-6.7(d). Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the applicable soil quality standard is the Restricted Residential standard. Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this project site, will not be imported onto the project site without prior approval by NYSDEC. Solid waste will not be imported onto the project site. Additionally, all imported soils must meet 6 NYCRR Part 375 Restricted Residential Use SCOs.

Trucks entering the project site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases as discussed in Section 2.2 above.

2.10 Stormwater Pollution Prevention

Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by NYSDEC. All necessary repairs shall be made immediately.

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

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

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

Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

2.11 Contingency Plan

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

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

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the DEC spills hotline and included in the periodic reports prepared pursuant to Section 5 of the SMP.

2.12 Community Air Monitoring Plan

Air sampling stations will be placed upgradient and downgradient of generally prevailing wind conditions. These locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and at least two downwind monitoring stations.

Exceedances of action levels listed in the Community Air Monitoring Plan (Appendix D of the SMP) will be reported to DEC and DOH Project Managers.

2.13 Odor Control Plan

Fugitive emissions can be generated from a variety of activities including excavation, drilling, and dewatering and/or from the temporary staging of materials for characterization, consolidation, and scheduling for transportation.

Due to the COIs associated with the remedial activities at former MGP sites; fugitive emissions can take the form of volatile organic compounds (VOC's), odor, and/or dust. Dust can be entrained with low levels of high molecular weight constituents, while VOC's can volatilize into ambient air. Odor emissions may result from the atmospheric exposure of contaminated media. Contamination may be present in soils and groundwater. The potential for odor generation from groundwater is less than that from solids. The constituent concentrations associated with these odors are typically less than the levels that potentially pose a health risk as the odor threshold of COI's are typically less than health-based action levels.

This odor control plan can control emissions of nuisance odors off-site. If nuisance odors are identified at the site boundary, or if odor complaints are received, work will be halted, and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. DEC and DOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the property owner's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

A three-tiered set of controls are proposed for this Plan:

- Level I - Built into the design of the Plan and includes proactive measures to minimize the effect of fugitive emissions. Level 1 includes air monitoring to ensure that levels of VOC's and dust are under site-specific action levels.
- Level II – Procedures that are implemented in response to specific increases in fugitive emissions but are not likely to have a significant impact in the schedule of project site activities.
- Level III – More aggressive procedures, also initiated in response to specific increases in fugitive emissions that are likely to have a more significant impact on production schedule and project site activities.

The Site Manager will be required to progressively implement these options until emission sources are controlled and ambient concentrations no longer have the potential to pose a health risk.

2.13.1 Level 1 Controls

Level 1 Controls are built into the design of the field activities and involve physical controls, project site layout, and scheduling.

2.13.1.1 Physical Controls

The simplest form of physical control is the use of visual barrier cloth on the project site perimeter fencing. The resistance caused by the visual barrier will elevate the discharge point of emissions leaving the site to the top of the perimeter fence and will promote better mixing and dispersion. Another form of simple physical control is the required use of tarps on trucks that move, or transport impacted material.

All stockpiles of impacted material should be covered, if left inactive for a period of more than 2 hours.

All trucks used for off-site transport should have tarps in place to cover impacted material as detailed in Section 2.2. On-site haul routes should be routinely wetted to control dust using a hose, sprinkler, or dedicated water truck.

2.13.1.2 Site Layout

The dispersion of fugitive emissions is controlled by meteorological conditions and their impact generally decreases with distance from the source. If possible, transfer/storage areas will be placed either downwind or significantly upwind of off-site receptors.

The height of the stockpiles should be lower than the top of the perimeter fencing (8 feet) to utilize the benefit of the barrier cloth. If stockpiles must be staged near the fence line (within 100 feet), they should be less than 8-feet in height.

2.13.1.3 Scheduling

Every effort should be made to minimize the amount of time that potentially contaminated material is stored on-site. Appropriate strategies involve the in-place pre-characterization of soils to be excavated and the sampling of stockpiles as soon as they are placed. Efficient scheduling/coordination of operations can also limit the impact of active emission sources. Close coordination of excavation activities can decrease the surface area of disturbed material, thereby reducing the size of the emission source. A smaller source area can facilitate the implementation of additional controls, if required.

2.13.2 Level II Controls

Air monitoring will routinely be performed at the fence line of the project site as delineated in the CAMP during all work activities. The results will be compared to site-specific action levels for VOC's and total particulates.

Level II controls will be enacted if the exceedance is confirmed, or odors are detected at the fence line. If the action levels are exceeded, additional monitoring will be conducted to confirm the result. Level II controls will be enacted if the exceedance is confirmed. The Site Manager must then work through the applicable list of site controls until the fence line monitoring results for all parameters are determined to be less that their associated action levels. Specific Level II controls are discussed below.

2.13.2.1 Suppressing Agents

Several agents that can be applied over emissions sources have been determined to be effective in controlling emissions. These include odor suppressant foam for VOC mitigation and water spray for dust suppression.

The following suppressing agents have been identified for use, but additional agents may be used or substituted for other proven agents such as odex, hydromulch, or ecosorb.

Odor suppressant foam

Odor suppressant foam can provide immediate, localized control of VOC and odor emissions. The foam is created by the injection of air into a foam concentrate/water mixture using a Pneumatic Foam Unit. The foam is applied via a hose to cover source areas to a depth of 3 to 6 inches. Foam (Rusmar AC-600 or equivalent) is a short-term remedy and can be actively used to control VOC and odor emissions from active excavations/stockpiles, and during the loading of trucks. It is shipped as a concentrate and diluted with water at the site. Under normal conditions, this foam can last for several hours. However, it has been observed to degrade quickly in direct sunlight or precipitation so it must be applied liberally and frequently to all areas that require odor control.

Water spray

A spray of water can be used to minimize the amount of dust created. A water hose is effective for controlling dust over a small area, while lawn sprinklers or a dedicated water truck may be more efficient for extended control of large areas or on-site haul routes.

2.13.2.2 Tarps

Tarps can provide effective control for source areas that are likely to be inactive for extended periods of time. To be effective, the size of the source area should be controlled such that it can be covered using a single tarp. Rolls of 6-mil polyethylene will be used to cover inactive stockpiles. Tarps will also be used for covering exposed soils loaded into trucks. All trucks will be lined with 6 mil polyethylene sheeting, the liners will be large enough to overlap and fully cover the top of the load.
Additional automatic mesh tarps will be used to secure the liners.

2.13.3 Level III Controls

Level III controls are to be implemented when Level II controls have been exhausted and ambient concentrations of emissions continue to exceed the site-specific action levels. Each of the control options listed in this subsection has the potential to significantly affect the schedule/production rate of site activities. These delays may be required periodically to ensure that acceptable levels of fugitive emissions are maintained and are preferable to a complete work cessation to control an emission event.

2.13.3.1 Production/Schedule

It may be necessary to reduce the excavation rate to reduce the surface area of disturbed media or slow the generation rate of stockpiles. These activities would result in smaller source areas that could be more effectively controlled using Level II techniques.

2.13.3.2 Meteorological Conditions

It may be necessary to limit certain activities to those periods when preferred meteorological conditions exist, such as wind direction or low temperatures are present. Mitigation measures will be provided as necessary.

2.13.3.3 Relocation of Activities

Another option is to cease work and move the remedial activities to lesser-impacted areas until adequate control measures can be implemented, or more favorable meteorological conditions return. Also, it may be beneficial to temporarily relocate material loading and transfer activity areas to other areas of the project site or within subsurface excavations to utilize the natural dispersion of emissions in the atmosphere, or shelter from the wind.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-site conditions or proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a

temporary containment structure equipped with appropriate air venting/filtering systems.

2.14 Dust Control Plan

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

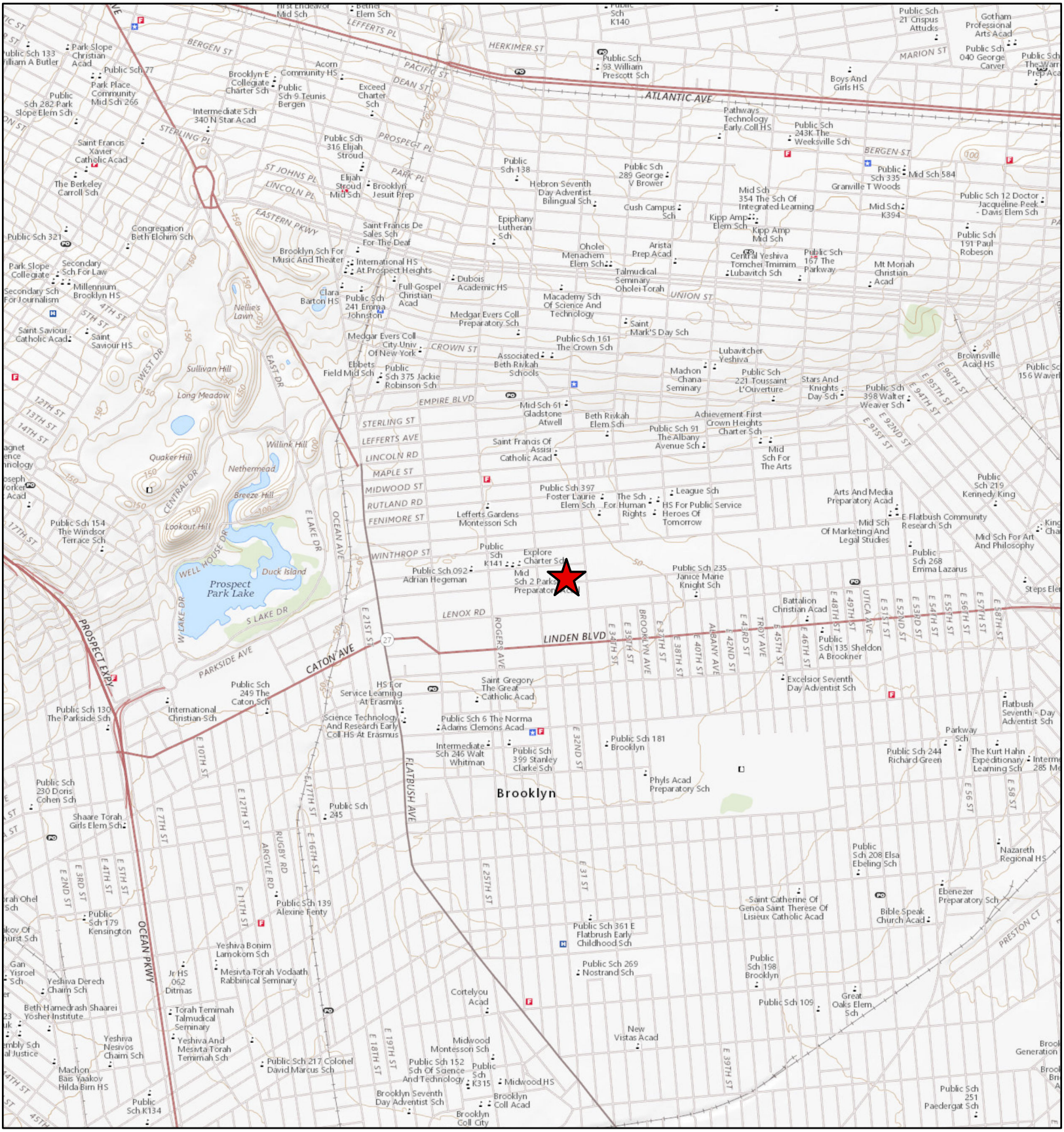
- Dust suppression will be achieved using a dedicated on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit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

2.15 Other Nuisances

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

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

FIGURES



Legend

329 Clarkson Avenue

N

1 Miles

Figure 1
Site Map

329 Clarkson Avenue
Brooklyn, New York

equity environmental engineering
500 International Drive, Suite 150, Mount Olive, NJ 07828
Office: (973) 527-7451 / Fax: (973) 858-0280

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Legend

329 Clarkson Avenue

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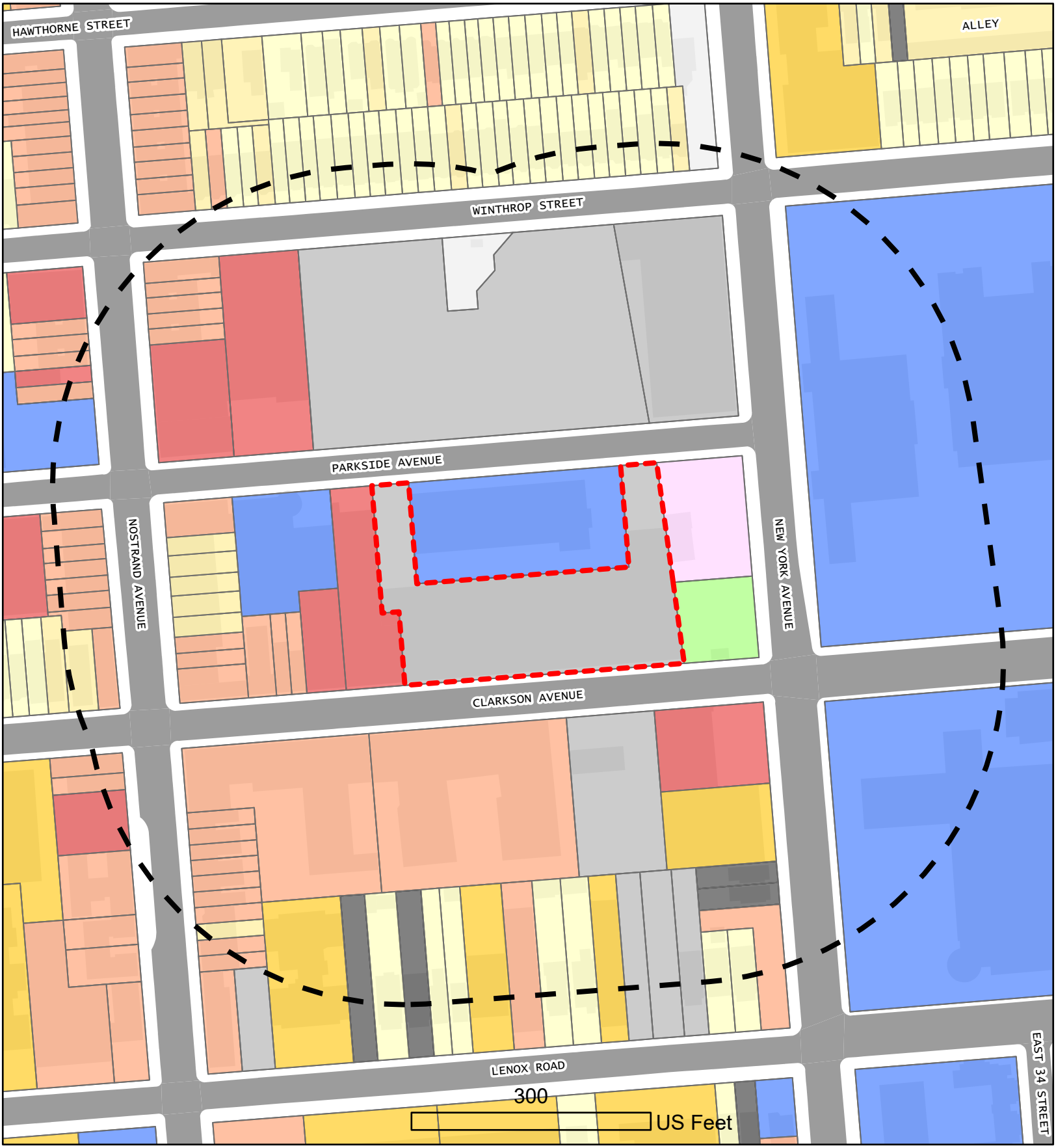
US Feet

Figure 1
Site Map

329 Clarkson Avenue
Brooklyn, New York

equity environmental engineering
500 International Drive, Suite 150, Mount Olive, NJ 07828
Office: (973) 527-7451 / Fax: (973) 858-0280

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Legend

- Project Site
- 400' Study Area

Layer

LandUse

- One & Two Family Buildings
- MultiFamily Walkup Buildings
- MultiFamily Elevator Buildings
- Mixed Commercial / Residential Buildings
- Commercial / Office Buildings
- Industrial / Manufacturing
- Transportation / utility
- Public Facilities & Institutions
- Open Space
- Parking Facilities
- Vacant Land
- All Others or No Data

N

Figure 3
Land Use Map

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Brooklyn, New York

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APPENDIX A
SOIL REUSE PLAN

Soil Reuse Plan

Introduction

This Soil Reuse Plan has been developed for the redevelopment of the property at 329 Clarkson Avenue in Brooklyn, NY. The current parking garage used for the State University of New York (SUNY) Downstate Medical Center will be demolished and the site will be redeveloped as a mixed-use commercial/residential project. The excavation for the proposed building will extend approximately 20-feet below ground surface (bgs) across the entire property generating some 50,000 tons of soil for offsite disposal. Figure 1 shows the Clarkson site.

Purpose of reuse

The intent of the soil reuse plan is to utilize onsite soil as backfill for the various foundation elements for the proposed building.

Soil Reuse

NYCRR Part 360 states that excavated material may be used to backfill the same excavation or as grade adjustment in areas of similar physical characteristics on the site of generation. If the material exhibits visual or historical evidence of contamination (including odors) and will be used in an area with public access, the e material must be covered with pavement, foundation, or with a minimum of 12 inches of soil or fill that meets the criteria to be used as Fill Type 1 and Fill Type 2 in section 360.13 of this Part. If available, soil from the Office of Remedial Remediation's (OER) Clean Soil Bank may be a source of backfill material given the analytical data for that soil does not contain contaminants greater than that which already exists onsite. A demarcation layer or marker will be installed to designate where onsite soil is located below the clean fill.

The property will be excavated in quadrants as shown on Figure 2. The top 3 to 4 feet of material, which has the highest levels of contaminants, will be transported for off-site disposal prior to excavating deeper. The Site will then be split into quadrants for as the underpinning and SOE installation progresses. As the foundation elements are constructed, the necessary volume of soil will be backfilled around them. It is estimated that approximately 2,500 tons of soil will be reused onsite.

Soil will be excavated and, to the extent possible, stockpiled immediately adjacent to the area where it will be reused. Should soil to be reused have to be stockpiled further away, the area for the proposed basketball court will be the stockpiling area for the East quadrant and the proposed courtyard for the West quadrant. Figure 3 shows the various locations, shaded in purple, where soil will be reused.

Where there is soil that is determined by National Grid to be manufactured gas plant (MGP) related based on visual observations, meter readings, etc., that soil will not be reused onsite. In addition, soil located adjacent to the gas station will be carefully examined and segregated as required. No soil that is grossly contaminated based on the following will be reused onsite for any purpose:

> Contamination including substantial quantities of mobile contamination in the form of a NAPL that is identifiable either visually, through strong odor, containing NAPL blebs, coating, saturation, by elevated contaminant vapor levels and/or PID readings above 500 PPM or is otherwise readily detectable without laboratory analysis.

Stockpiled soil that is not reused will be disposed along with the remaining onsite soil. No onsite soil will be reused within the top 2-feet of the property where there are landscaped areas.

Based on the results of the RSOI that was completed for the site, additional sampling is not required for the soil reuse. The analytical data was fairly homogenous throughout the site, and it does not appear that there are any onsite areas that cannot be reused across the entire site.

Reporting

The soil reuse information will be incorporated into the Final Engineering Report for the project and will indicate the total volume of soil reused and where it was reused.

FIGURES



Legend

329 Clarkson Avenue

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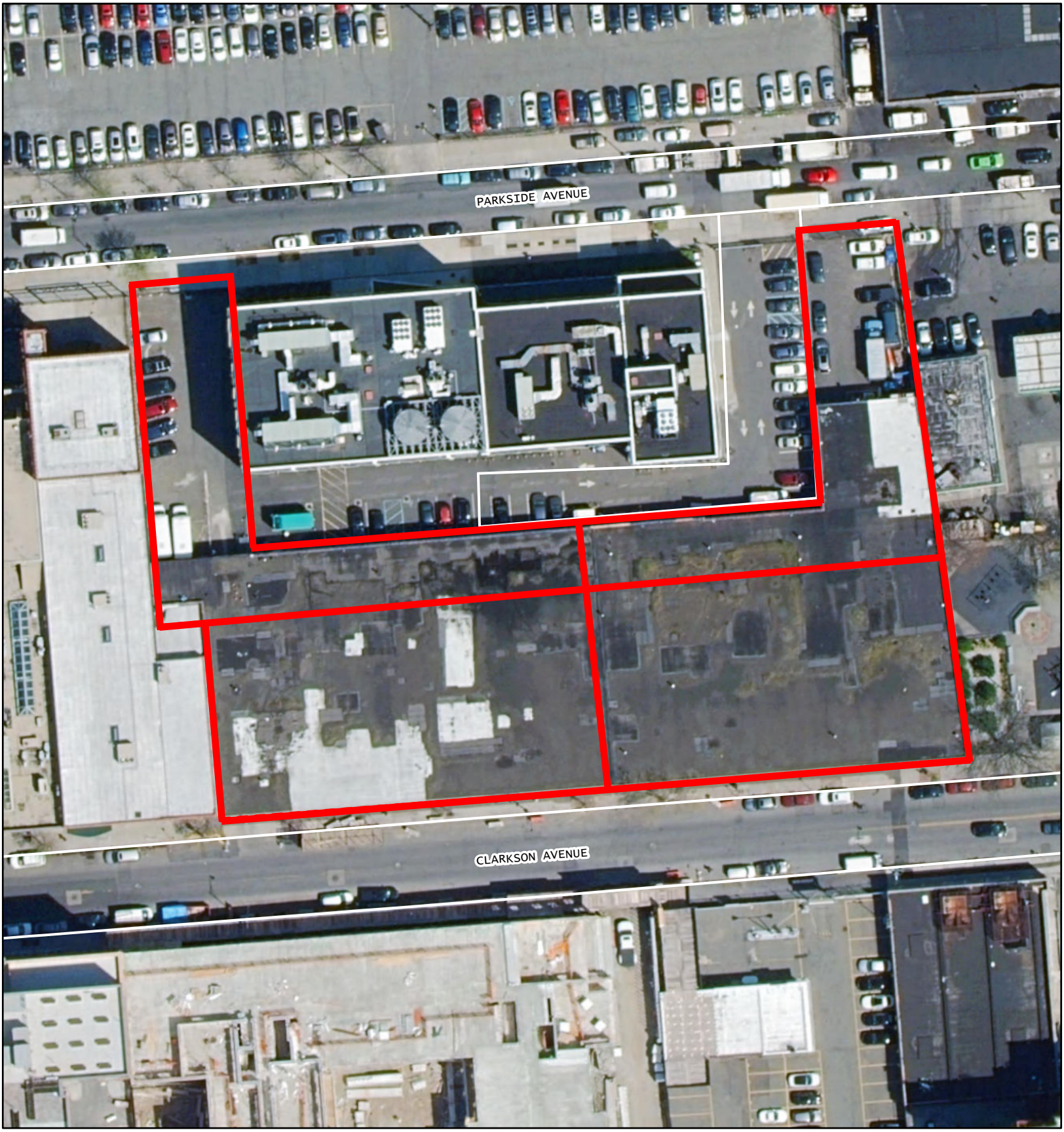
US Feet

Figure 1
Site Map

329 Clarkson Avenue
Brooklyn, New York

equity environmental engineering
500 International Drive, Suite 150, Mount Olive, NJ 07828
Office: (973) 527-7451 / Fax: (973) 858-0280

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Legend

329 Clarkson Avenue Excavation Quadrants

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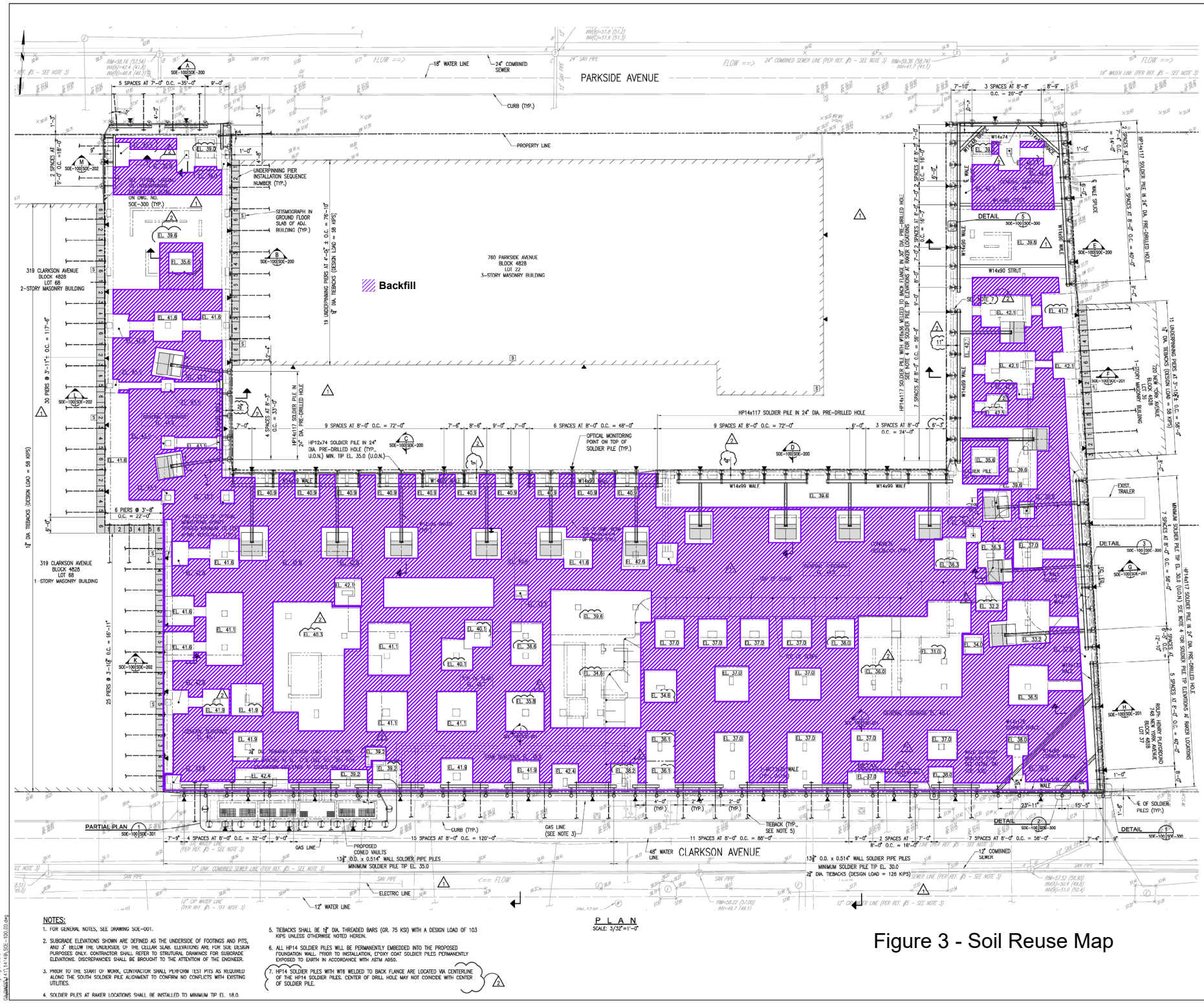
US Feet

Figure 2
Excavation Quadrants

329 Clarkson Avenue
Brooklyn, New York

equity environmental engineering
500 International Drive, Suite 150, Mount Olive, NJ 07828
Office: (973) 527-7451 / Fax: (973) 858-0280

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PARKSIDE AVENUE
CLARKSON AVENUE
PROPERTY LINE
CURB (TYP.)
18" WATER LINE
24" COMBINED SEWER
Backfill
760 PARKSIDE AVENUE
BLOCK 4828
LOT 22
3-STORY MASONRY BUILDING
319 CLARKSON AVENUE
BLOCK 4828
LOT 68
2-STORY MASONRY BUILDING
319 CLARKSON AVENUE
BLOCK 4825
LOT 68
1-STORY MASONRY BUILDING
720 NEW YORK AVENUE
BLOCK 4828
LOT 37
1-STORY MASONRY BUILDING
HP14x117 SOLDIER PILE IN 24" DIA. PRE-DRILLED HOLE
HP12x74 SOLDIER PILE IN 24" DIA. PRE-DRILLED HOLE (TYP., U.O.N.) MIN. TIP EL. 35.0 (U.O.N.)
OPTICAL MONITORING POINT ON TOP OF SOLDIER PILE (TYP.)
W14x99 WALE
W14x90 STRUT
W14x74 WALE
W14x68 WALE
W14x61 WALE
W14x53 WALE
W14x48 WALE
W14x43 WALE
W14x38 WALE
W14x34 WALE
W14x30 WALE
W14x26 WALE
W14x22 WALE
W14x159 STRUT
W14x132 STRUT
W14x109 STRUT
W14x82 STRUT
W14x61 STRUT
W14x53 STRUT
W14x48 STRUT
W14x43 STRUT
W14x38 STRUT
W14x34 STRUT
W14x30 STRUT
W14x26 STRUT
W14x22 STRUT
W14x176 STRUT
W14x145 STRUT
W14x120 STRUT
W14x99 STRUT
W14x74

APPENDIX K

Imported Fill Documentation

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Restricted Residential Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 400-500

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? Choose an item

Does it contain less than 10%, by weight, material that would pass a size 10 sieve? Choose an item

Does it contain less than 10%, by weight, material that would pass a size 100 sieve? Choose an item

Is this virgin material from a permitted mine or quarry? Choose an item

Is this material recycled concrete or brick from a DEC registered processing facility? Choose an item

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

PLEASE SEE THE ATTACHED FILE LABELED "FAZTEC SAMPLING SUMMARY 12-18-23".

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Ditta Malito Contracting-Trucker

Location where fill was obtained:

Faztec Industries

Identification of any state or local approvals as a fill source:

NYS DEC REGISTRATION # 43W047 NYC DOS - TRANSFER STATION # 30

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

NYC DEC PERMIT, NYC DOD PERMIT, YORK TECHNICAL REPORT, YORK COMPARISON TABLE TO NY REGULATIONS, SAMPLING SUMMARY, SAMPLING MAP

The information provided on this form is accurate and complete.

Signature

8/15/24

Date

Bernard Colletti

Print Name

Bruno Frustaci Contracting Inc

Firm

Imported Soil Analytical Data
329 Clarkson Ave., Brooklyn

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	S-1 Z31J254-01 12/18/2023 9:39:00 AM Soil		S-2 Z31J254-02 12/18/2023 9:43:00 AM Soil		S-3 Z31J254-03 12/18/2023 9:47:00 AM Soil		S-4 Z31J254-04 12/18/2023 9:51:00 AM Soil		S-5 Z31J254-05 12/18/2023 9:55:00 AM Soil		S-6 Z31J254-06 12/18/2023 10:00:00 AM Soil		S-7 Z31J254-07 12/18/2023 10:04:00 AM Soil		S-8 Z31J254-08 12/18/2023 10:08:00 AM Soil		S-9 Z31J254-09 12/18/2023 10:12:00 AM Soil		S-10 Z31J254-10 12/18/2023 10:16:00 AM Soil		S-11 Z31J254-11 12/18/2023 10:21:00 AM Soil		S-12 Z31J254-12 12/18/2023 10:25:00 AM Soil		S-13 Z31J254-13 12/18/2023 10:29:00 AM Soil		S-14 Z31J254-14 12/18/2023 10:33:00 AM Soil	
Compound	CAS Number							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, NJDEP/TCL/Part 375 List		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor								1		1		1		1		1		1		1		1		1		1		1		1		1		1	
1,1,2-Tetrachloroethane	630-20-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,1,1-Trichloroethane	71-55-6	100	500	1000	0.68	100	0.68	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,1,2,2-Tetrachloroethane	79-34-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,1,2-Trichloroethane	79-00-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,1-Dichloroethane	75-34-3	26	240	480	0.27	19	0.27	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,1-Dichloroethylene	75-35-4	100	500	1000	0.33	100	0.33	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,2,3-Trichlorobenzene	87-61-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,2,3-Trichloropropane	96-18-4	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,2,4-Trimethylbenzene	95-63-6	52	190	380	3.6	47	3.6	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,2-Dibromo-3-chloropropane	96-12-8	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,2-Dibromoethane	106-93-4	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	1.1	100	1.1	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,2-Dichloroethane	107-06-2	3.1	30	60	0.02	2.3	0.02	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,2-Dichloropropane	78-87-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,3,5-Trimethylbenzene	108-67-8	52	190	380	8.4	47	8.4	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,3-Dichlorobenzene	541-73-1	49	280	560	2.4	17	2.4	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,4-Dichlorobenzene	106-46-7	13	130	250	1.8	9.8	1.8	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
1,4-Dioxane	123-91-1	13	130	250	0.1	9.8	0.1	0.0480	U	0.0480	U	0.0500	U	0.0540	U	0.0500	U	0.0480	U	0.0500	U	0.0500	U	0.0490	U	0.0510	U	0.0470	U	0.0510	U	0.0500	U	0.0500	U
2-Butanone	78-93-3	100	500	1000	0.12	100	0.12	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
2-Hexanone	591-78-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
4-Methyl-2-pentanone	108-10-1	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Acetone	67-64-1	100	500	1000	0.05	100	0.05	0.00490	U	0.00490	U	0.00500	U	0.00540	U	0.00500	U	0.00490	U	0.00500	U	0.00500	U	0.00500	U	0.00810	JB	0.00510	U	0.00470	U	0.00510	U	0.00940	JB	0.0160	B
Acrolein	107-02-8	~	~	~	~	~	~	0.00490	U	0.00490	U	0.00500	U	0.00540	U	0.00500	U	0.00490	U	0.00500	U	0.00500	U	0.00490	U	0.00510	U	0.00470	U	0.00510	U	0.00500	U	0.00500	U
Acrylonitrile	107-13-1	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Benzene	71-43-2	4.8	44	89	0.06	2.9	0.06	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Bromochloromethane	74-97-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Bromodichloromethane	75-27-4	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Bromoform	75-25-2	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Bromomethane	74-83-9	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Carbon disulfide	75-15-0	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Carbon tetrachloride	56-23-5	2.4	22	44	0.76	1.4	0.76	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Chlorobenzene	108-90-7	100	500	1000	1.1	100	1.1	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Chloroethane	75-00-3	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Chloroform	67-66-3	49	350	700	0.37	10	0.37	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Chloromethane	74-87-3	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
cis-1,2-Dichloroethylene	156-59-2	100	500	1000	0.25	59	0.25	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
cis-1,3-Dichloropropylene	10061-01-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Cyclohexane	110-82-7	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Dibromochloromethane	124-48-1	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Dibromomethane	74-95-3	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Dichlorodifluoromethane	75-71-8	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Ethyl Benzene	100-41-4	41	390	780	1	30	1	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Hexachlorobutadiene	87-68-3	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Isopropylbenzene	98-82-8	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Methyl acetate	79-20-9	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Methyl tert-butyl ether (MTBE)	1634-04-4	100	500	1000	0.93	62	0.93	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Methylcyclohexane	108-87-2	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Methylene chloride	75-09-2	100	500	1000	0.05	51	0.05	0.00490	U	0.00490	U	0.00500	U	0.00540	U	0.00500	U	0.00490	U	0.00500	U	0.00500	U	0.00490	U	0.00510	U	0.00470	U	0.00510	U	0.00500	U	0.00500	U
n-Butylbenzene	104-51-8	100	500	1000	12	100	12	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
n-Propylbenzene	103-65-1	100	500	1000	3.9	100	3.9	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
o-Xylene	95-47-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
p- & m- Xylenes	179601-23-1	~	~	~	~	~	~	0.00490	U	0.00490	U	0.00500	U	0.00540	U	0.00500	U	0.00490	U	0.00500	U	0.00500	U	0.00490	U	0.00510	U	0.00470	U	0.00510	U	0.00500	U	0.00500	U
p-Isopropyltoluene	99-87-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
sec-Butylbenzene	135-98-8	100	500	1000	11	100	11	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Styrene	100-42-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
tert-Butyl alcohol (TBA)	75-65-0	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
tert-Butylbenzene	98-06-6	100	500	1000	5.9	100	5.9	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Tetrachloroethylene	127-18-4	19	150	300	1.3	5.5	1.3	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Toluene	108-88-3	100	500	1000	0.7	100	0.7	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
trans-1,2-Dichloroethylene	156-60-5	100	500	1000	0.19	100	0.19	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
trans-1,3-Dichloropropylene	10061-02-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Trichloroethylene	79-01-6	21	200	400	0.47	10	0.47	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Trichlorofluoromethane	75-69-4	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Vinyl Chloride	75-01-4	0.9	13	27	0.02	0.21	0.02	0.00240	U	0.00240	U	0.00250	U	0.00270	U	0.00250	U	0.00240	U	0.00250	U	0.00250	U	0.00250	U	0.00260	U	0.00230	U	0.00260	U	0.00250	U	0.00250	U
Xylenes, Total	1330-20-7	100	500	1000	1.6	100	0.26	0.00730	U	0.00730	U	0.00750	U	0.00810	U	0.00750	U	0.00730	U	0.00750	U	0.00750	U	0.00740	U	0.00770	U	0.00700	U	0.00770	U	0.00750	U	0.00760	U	0.00760	U
Volatile Organics, Tentatively Identified Cmpds.								mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Dilution Factor								1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Tentatively Identified Compounds								0	U	0	U	0	U	0	U	0	U	0	U	0	U	0	U	0	U	0	U	0	U	0	U	0	U	0	U
Semi-Volatiles, NJDEP/TCL/Part 375 List		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor								2		2		2		2		2		2		2		2		2		2		2		2		2		2	
1,1-Biphenyl	92-52-4	~	~	~	~	~	~	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437	U	0.0432	U	0.0433	U
1,2,4,5-Tetrachlorobenzene	95-94-3	~	~	~	~	~	~	0.0870	U	0.0869	U	0.0874	U	0.0877	U	0.0871	U	0.0870	U	0.0871	U	0.0876	U	0.0879	U	0.0858	U	0.0871	U	0.0872	U	0.0862	U	0.0865	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	~	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437	U	0.0432	U	0.0433	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	1.1	100	1.1	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437	U	0.0432	U	0.0433	U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	~	~	~	~	~	~	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437	U	0.0432	U	0.0433	U
1,3-Dichlorobenzene	541-73-1	49	280	560	2.4	17	2.4	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437	U	0.0432	U	0.0433	U
1,4-Dichlorobenzene	106-46-7	13	130	250	1.8	9.8	1.8	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437	U	0.0432	U	0.0433	U
2,3,4,6-Tetrachlorophenol	58-90-2	~	~	~	~	~	~	0.0870	U	0.0869	U	0.0874	U	0.0877	U	0.0871	U	0.0870	U	0.0871	U	0.0876	U	0.0879	U	0.0858	U	0.0871	U	0.0872	U	0.0862	U	0.0865	U
2,4,5-Trichlorophenol	95-95-4	~	~	~	~	~	~	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437	U	0.0432	U	0.0433	U
2,4,6-Trichlorophenol	88-06-2	~	~	~	~	~	~	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437	U	0.0432	U	0.0433	U
2,4-Dichlorophenol	120-83-2	~	~	~	~	~	~	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437	U	0.0432	U	0.0433	U
2,4-Dimethylphenol	105-67-9	~	~	~	~	~	~	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437	U	0.0432	U	0.0433	U
2,4-Dinitrophenol	51-28-5	~	~	~	~	~	~	0.0870	U	0.0869	U	0.0874	U	0.0877	U	0.0871	U	0.0870	U	0.0871	U	0.0876	U	0.0879	U	0.0858	U	0.0871	U	0.0872	U	0.0862	U	0.0865	U
2,4-Dinitrotoluene	121-14-2	~	~	~	~	~	~	0.0436	U	0.0436	U	0.0438	U	0.0440	U	0.0437	U	0.0436	U	0.0437	U	0.0439	U	0.0440	U	0.0430	U	0.0436	U	0.0437

Imported Soil Analytical Data
329 Clarkson Ave., Brooklyn

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	S-1 Z31J254-01 12/18/2023 9:39:00 AM Soil		S-2 Z31J254-02 12/18/2023 9:43:00 AM Soil		S-3 Z31J254-03 12/18/2023 9:47:00 AM Soil		S-4 Z31J254-04 12/18/2023 9:51:00 AM Soil		S-5 Z31J254-05 12/18/2023 9:55:00 AM Soil		S-6 Z31J254-06 12/18/2023 10:00:00 AM Soil		S-7 Z31J254-07 12/18/2023 10:04:00 AM Soil		S-8 Z31J254-08 12/18/2023 10:08:00 AM Soil		S-9 Z31J254-09 12/18/2023 10:12:00 AM Soil		S-10 Z31J254-10 12/18/2023 10:16:00 AM Soil		S-11 Z31J254-11 12/18/2023 10:21:00 AM Soil		S-12 Z31J254-12 12/18/2023 10:25:00 AM Soil		S-13 Z31J254-13 12/18/2023 10:29:00 AM Soil		S-14 Z31J254-14 12/18/2023 10:33:00 AM Soil	
Compound	**CAS Number**							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Endrin aldehyde	7421-93-4	~	~	~	~	~	~	0.00169	U	0.00172	U	0.00170	U	0.00172	U	0.00171	U	0.00172	U	0.00170	U	0.00173	U	0.00171	U	0.00170	U	0.00168	U	0.00169	U	0.00171	U	0.00171	U
Endrin ketone	53494-70-5	~	~	~	~	~	~	0.00169	U	0.00172	U	0.00170	U	0.00172	U	0.00171	U	0.00172	U	0.00170	U	0.00173	U	0.00171	U	0.00170	U	0.00168	U	0.00169	U	0.00171	U	0.00171	U
gamma-BHC (Lindane)	58-89-9	1.3	9.2	23	0.1	0.28	0.1	0.00169	U	0.00172	U	0.00170	U	0.00172	U	0.00171	U	0.00172	U	0.00170	U	0.00173	U	0.00171	U	0.00170	U	0.00168	U	0.00169	U	0.00171	U	0.00171	U
gamma-Chlordane	5566-34-7	~	~	~	~	~	~	0.0202	D	0.0105	D	0.0148	D	0.0143	D	0.0125	D	0.0883	D	0.0185	D	0.0175	D	0.0204	D	0.0182	D	0.0196	D	0.0121	D	0.0140	D	0.0211	D
Heptachlor	76-44-8	2.1	15	29	0.38	0.42	0.042	0.00318	D	0.00172	U	0.00197	D	0.00208	D	0.00185	D	0.0132	D	0.00258	D	0.00268	D	0.00171	U	0.00287	D	0.00236	D	NT		0.00181	D	0.00335	D
Heptachlor [2C]	76-44-8	2.1	15	29	0.38	0.42	0.042	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		0.00169	U	NT		NT	
Heptachlor epoxide	1024-57-3	~	~	~	~	~	~	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
Heptachlor epoxide [2C]	1024-57-3	~	~	~	~	~	~	0.00211	D	0.00172	U	0.00174	D	0.00172	U	0.00171	U	0.00194	D	0.00220	D	0.00226	D	0.00171	U	0.00170	U	0.00168	U	0.00169	U	0.00171	U	0.00171	U
Methoxychlor	72-43-5	~	~	~	~	~	~	0.00846	U	0.00860	U	0.00851	U	0.00859	U	0.00856	U	0.00858	U	0.00848	U	0.00867	U	0.00855	U	0.00852	U	0.00842	U	0.00843	U	0.00853	U	NT	
Methoxychlor [2C]	72-43-5	~	~	~	~	~	~	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		0.00171	U
Tinuphene	8001-35-2	~	~	~	~	~	~	0.0857	U	0.0870	U	0.0861	U	0.0869	U	0.0866	U	0.0868	U	0.0858	U	0.0877	U	0.0865	U	0.0862	U	0.0852	U	0.0853	U	0.0863	U	0.0866	U
NJDEP EPH (Cat. 2 Non-Fractionated)								mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Dilution Factor								1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Total EPH								66,600		71,300		55,100		55,200		65		59,300		62,700		105		78,900		83,500		132		51,400	U	81,600		84,300	
Metals, Target Analyte		mg/Kg	mg/kg	mg/kg	mg/kg	mg/Kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Dilution Factor								1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Aluminum	7429-90-5	~	~	~	~	~	~	4,400		4,880		4,660		5,230		4,430		4,540		3,620		4,460		4,010		4,500		4,190		3,260		4,620		4,040	
Antimony	7440-36-0	~	~	~	~	~	~	2.190	U	2.180	U	2.190	U	2.200	U	2.180	U	2.180	U	2.200	U	2.200	U	2.200	U	2.170	U	2.180	U	2.180	U	2.230	U	2.190	U
Arsenic	7440-38-2	16	16	16	16	16	13	2.730		3.650		5.180		3.810		3.180		3.780		2.570		1.970		1.970		1.550		2.690		2.250		2.070		2.750	
Barium	7440-39-3	400	400	10000	820	350	350	34.300		38.800		40.300		33.500		31.800		44.300		29.200		38		37		37		36		25.800		36.900		32.800	
Beryllium	7440-41-7	72	590	2700	47	14	7.2	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U
Cadmium	7440-43-9	4.3	9.3	60	7.5	2.5	2.5	0.263	U	0.261	U	0.261	U	0.264	U	0.262	U	0.262	U	0.262	U	0.263	U	0.264	U	0.261	U	0.262	U	0.262	U	0.261	U	0.263	U
Calcium	7440-70-2	~	~	~	~	~	~	6,840		9,720		14,900		12,700		7,500		8,410		7,980		9,000		6,380		8,060		8,760		6,600		7,990		7,040	
Chromium	7440-47-3	~	~	~	~	~	~	17.800		17		17.800		17.200		14.100		19		13.900		19.300		15.900		17.500		16.100		13.600		22.500		18.200	
Cobalt	7440-48-4	~	~	~	~	~	~	5.250		5		5.590		5.460		4.070		5.080		5.690		6.780		5.170		5.970		5.620		3.820		5.740		5.140	
Copper	7440-50-8	270	270	10000	1720	270	50	12.700		14.200		14		15		13.400		11.900		12.900		13.500		11.800		17.100		12.400		9.350		13.500		11.400	
Iron	7439-89-6	~	~	~	~	~	~	9,340		9,910		10,500		11,100		9,020		9,950		8,480		9,660		9,110		10,500		8,950		8,200		11,700		9,110	
Lead	7439-92-1	400	1000	3900	450	400	63	21.400		22.900		25.200		22.900		22.600		25.500		22.800		24.700		24.200		22.900		23.100		17		23.400		23.200	
Magnesium	7439-95-4	~	~	~	~	~	~	2,880		3,230		6,910		2,930		2,620		2,940		2,440		2,790		2,620		3,230		2,410		3,050		3,010		2,580	
Manganese	7439-96-5	2000	10000	10000	2000	2000	1600	137		225		158		148		136		261		133		149		134		163		133		113		141		127	
Nickel	7440-02-0	310	310	10000	130	140	30	**33.800**		**35.500**		**37.400**		**31.400**		24.400		**36**		**31**		**39.100**		**34.400**		**35.100**		**36.400**		25.300		**36.900**		**35.900**	
Potassium	7440-09-7	~	~	~	~	~	~	859		849		972		848		823		865		762		930		884		920		893		780		1,030		956	
Selenium	7782-49-2	180	1500	6800	4	36	3.9	2.190	U	2.180	U	2.190	U	2.200	U	2.180	U	2.180	U	2.180	U	2.200	U	2.200	U	2.170	U	2.180	U	2.180	U	2.180	U	2.190	U
Silver	7440-22-4	180	1500	6800	8.3	36	2	0.442	U	0.439	U	0.442	U	0.443	U	0.440	U	0.440	U	0.440	U	0.443	U	0.444	U	0.438	U	0.440	U	0.440	U	0.439	U	0.441	U
Sodium	7440-23-5	~	~	~	~	~	~	124		198		232		217		148		167		120		190		163		172		176		133		179		145	
Thallium	7440-28-0	2.190	U	2.180	U	2.190	U	2.180	U	2.190	U	2.200	U	2.180	U	2.180	U	2.180	U	2.180	U	2.200	U	2.200	U	2.170	U	2.180	U	2.180	U	2.180	U	2.190	U
Vanadium	7440-62-2	~	~	~	~	~	~	15.600		15.300		16.700		18.800		14.300		15.800		12.200		14.100		12.800		18.800		13.300		12.500		16.800		14	
Zinc	7440-66-6	10000	10000	10000	2480	2200	109	45.100		42.600		45.100		43.300		35.800		45.500		32.600		42.600		33.900		42.700		39.400		30		38.500		33.500	
Nickel, SPLP by EPA 6020		mg/Kg	mg/kg	mg/kg	mg/kg	mg/Kg	mg/kg	mg/kg																											
Dilution Factor		1	1	1	1	1	1	1																											
Nickel	7440-02-0	310	310	10000	130	140	30	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
Mercury by 7473		mg/Kg	mg/kg	mg/kg	mg/kg	mg/Kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Dilution Factor		1	1	1	1	1	1	1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Mercury	7439-97-6	0.81	2.8	5.7	0.73	0.81	0.180	0.0559		0.0864		0.0513		0.0429		0.0448		0.0493		0.0478		0.0465		**0.450**		0.0475		0.0720		0.0403		0.0433		0.0754	
Mercury, SPLP		mg/Kg	mg/kg	mg/kg	mg/kg	mg/Kg	mg/kg	mg/L		mg/L														mg/L										mg/L	
Dilution Factor		1	1	1	1	1	1	1		1														1										1	
Mercury	7439-97-6	0.81	2.8	5.7	0.73	0.81	0.18	NT		0.00020	U	NT		NT		NT		NT		NT		NT		0.00020	U	NT		NT		NT		NT		0.00020	U
Chromium, Hexavalent		mg/Kg	mg/kg	mg/kg	mg/kg	mg/Kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Dilution Factor		1	1	1	1	1	1	1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Chromium, Hexavalent	18540-29-9	110	400	800	19	22	1	0.527	U	0.523	U	0.526	U	0.528	U	0.524	U	0.523	U	0.524	U	0.527	U	0.528	U	0.521	U	0.524	U	0.524	U	0.522	U	0.525	U
Cyanide, Total		mg/Kg	mg/kg	mg/kg	mg/kg	mg/Kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Dilution Factor		1	1	1	1	1	1	1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Cyanide, total	57-12-5	27	27	10000	40	27	27	0.527	U	0.523	U	0.526	U	0.528	U	0.524	U	0.523	U	0.524	U	0.527	U	0.528	U	0.521	U	0.524	U	0.524	U	0.522	U	0.525	U
SPLP Extraction for METALS EPA 1312								N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Dilution Factor								1		1		1		1		1		1		1		1		1		1		1		1		1		1	
SPLP Extraction								Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed	
SPLP Extraction for SVOC/PEST/HERB 1312								N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Dilution Factor								1		1		1		1		1		1		1		1		1		1		1		1		1		1	
SPLP Extraction								Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed	
SPLP Extraction for VOA by EPA 1312 ZHE								N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Dilution Factor								1		1		1		1		1		1		1		1		1		1		1		1		1		1	
SPLP Extraction								Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed	
Total Solids								%		%		%		%		%		%		%		%		%		%		%		%		%		%	
Dilution Factor								1		1		1		1		1		1		1		1		1		1		1		1		1		1	
% Solids	solids	~	~	~	~	~	~	94.900		95.600		95.100		94.800		95.400		95.500		95.400		94.900		94.900		95.900		95.500		94.600		95.800		95.200	
Polychlorinated Biphenyls (PCB)		mg/Kg	mg/kg	mg/kg	mg/kg	mg/Kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Dilution Factor		1	1	1	1	1	1	1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Aroclor 1016	12674-11-2	~	~	~	~	~	~	0.0171	U	0.0174	U	0.0172	U	0.0173	U	0.0173	U	0.0173	U	0.0171	U	0.0175	U	0.0173	U	0.0172	U	0.0170	U	0.0170	U	0.0172	U	0.0173	U
Aroclor 1221	11104-28-2	~	~	~	~	~	~	0.0171	U	0.0174	U	0.0172	U	0.0173	U	0.0173	U	0.0173	U	0.0171	U	0.0175	U	0.0173	U	0.0172	U	0.0170	U	0.0170	U	0.0172	U	0.0173	U
Aroclor 1232	11141-16-5	~	~	~	~	~	~	0.0171	U	0.0174	U	0.0172	U	0.0173	U	0.0173	U	0.0173	U	0.0171	U	0.0175	U	0.0173	U	0.0172	U	0.0170	U	0.0170	U	0.0172	U	0.0173	U
Aroclor 1242	53469-21-9	~	~	~	~	~	~	0.0171	U	0.0174	U	0.0172	U	0.0173	U	0.0173	U	0.0173	U	0.0171	U	0.0175	U	0.0173	U	0.0172	U	0.0170	U	0.0170	U	0.0172	U	0.0173	U
Aroclor 1248	12672-29-6	~	~	~	~	~	~	0.0171	U	0.0174	U	0.0172	U	0.0173	U	0.0173	U	0.0173	U	0.0171	U	0.0175	U	0.0173	U	0.0172	U	0.0170	U	0.0170	U	0.0172	U	0.0173	U
Aroclor 1254	11097-69-1	~	~	~	~	~	~	0.0171	U	0.0174	U	0.0172	U	0.0173	U	0.0173	U	0.0173	U	0.0171	U	0.0175	U	0.0173	U	0.0172	U	0.0170	U	0.0170	U	0.0172	U	0.0173	U
Aroclor 1260	11096-82-5	~	~	~	~	~	~	0.0171	U	0.0174	U	0.0172	U	0.0173	U	0.0173	U	0.0173	U	0.0171	U	0.0175	U	0.0173	U	0.0172	U	0.0170	U	0.0170	U	0.0172	U	0.0173	U
Total PCBs	1336-36-3	1	1	25	3.2	1	0.1	0.0171	U	0.0174	U	0.0172	U	0.0173	U	0.0173	U	0.0173	U	0.0171	U	0.0175	U	0.0173	U	0.0172	U	0.0170	U	0.0170	U	0.0172	U	0.0173	U

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

DISCLAIMER:
York Analytical Laboratories, Inc. is providing this information as a convenience to you. York makes no representations or warranties that these data are accurate, complete or represent the latest regulatory authority limits or analytes. York is not responsible for any errors or omissions in these specific regulations. Your use of these data constitute your understanding of these limitations and you agree to hold York harmless from any and all action that may arise from use of said information. As regulations change often, we encourage the user to review the regulatory limits and lists of interest to confirm these data.

Imported Soil Analytical Data
329 Clarkson Ave., Brooklyn

Sample ID		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	S-15		S-16		S-17		S-18		S-19		S-20		S-21		S-22		S-23	
York ID								Z3L1254-15		Z3L1254-16		Z3L1254-17		Z3L1254-18		Z3L1254-19		Z3L1254-20		Z3L1254-21		Z3L1254-22		Z3L1254-23	
Sampling Date								12/18/2023 10:37:00 AM		12/18/2023 10:42:00 AM		12/18/2023 10:46:00 AM		12/18/2023 10:50:00 AM		12/18/2023 10:54:00 AM		12/18/2023 10:59:00 AM		12/18/2023 11:03:00 AM		12/18/2023 11:07:00 AM		12/18/2023 11:11:00 AM	
Client Matrix								Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Compound	CAS Number							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, NJDEP/TCL/Part 375 List		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor								1		1		1		1		1		1		1		1		1	
1,1,1,2-Tetrachloroethane	630-20-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,1,1-Trichloroethane	71-55-6	100	500	1000	0.68	100	0.68	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,1,2,2-Tetrachloroethane	79-34-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,1,2-Trichloroethane	79-00-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,1-Dichloroethane	75-34-3	26	240	480	0.27	19	0.27	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,1-Dichloroethylene	75-35-4	100	500	1000	0.33	100	0.33	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,2,3-Trichlorobenzene	87-61-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,2,3-Trichloropropane	96-18-4	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,2,4-Trimethylbenzene	95-63-6	52	190	380	3.6	47	3.6	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,2-Dibromo-3-chloropropane	96-12-8	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,2-Dibromoethane	106-93-4	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	1.1	100	1.1	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,2-Dichloroethane	107-06-2	3.1	30	60	0.02	2.3	0.02	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,2-Dichloropropane	78-87-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,3,5-Trimethylbenzene	108-67-8	52	190	380	8.4	47	8.4	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,3-Dichlorobenzene	541-73-1	49	280	560	2.4	17	2.4	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,4-Dichlorobenzene	106-46-7	13	130	250	1.8	9.8	1.8	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
1,4-Dioxane	123-91-1	13	130	250	0.1	9.8	0.1	0.0490	U	0.0480	U	0.0510	U	0.0530	U	0.0530	U	0.0490	U	0.0520	U	0.0530	U	0.0490	U
2-Butanone	78-93-3	100	500	1000	0.12	100	0.12	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
2-Hexanone	591-78-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
4-Methyl-2-pentanone	108-10-1	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Acetone	67-64-1	100	500	1000	0.05	100	0.05	0.00490	U	0.0100	B	0.00510	U	0.00530	U	0.0110	J	0.00490	U	0.00950	J	0.0110	J	0.00490	U
Acrolein	107-02-8	~	~	~	~	~	~	0.00490	U	0.00480	U	0.00510	U	0.00530	U	0.00530	U	0.00490	U	0.00490	U	0.00520	U	0.00490	U
Acrylonitrile	107-13-1	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Benzene	71-43-2	4.8	44	89	0.06	2.9	0.06	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Bromochloromethane	74-97-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Bromodichloromethane	75-27-4	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Bromoform	75-25-2	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Bromomethane	74-83-9	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Carbon disulfide	75-15-0	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Carbon tetrachloride	56-23-5	2.4	22	44	0.76	1.4	0.76	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Chlorobenzene	108-90-7	100	500	1000	1.1	100	1.1	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Chloroethane	75-00-3	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Chloroform	67-66-3	49	350	700	0.37	10	0.37	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Chloromethane	74-87-3	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
cis-1,2-Dichloroethylene	156-59-2	100	500	1000	0.25	59	0.25	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
cis-1,3-Dichloropropylene	10061-01-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Cyclohexane	110-82-7	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Dibromochloromethane	124-48-1	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Dibromomethane	74-95-3	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Dichlorodifluoromethane	75-71-8	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Ethyl Benzene	100-41-4	41	390	780	1	30	1	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Hexachlorobutadiene	87-68-3	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Isopropylbenzene	98-82-8	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Methyl acetate	79-20-9	~	~	~	~	~	~	0.00340	U	0.00340	U	0.00350	U	0.00370	U	0.00370	U	0.00340	U	0.00350	U	0.00360	U	0.00340	U
Methyl tert-butyl ether (MTBE)	1634-04-4	100	500	1000	0.93	62	0.93	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Methylcyclohexane	108-87-2	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Methylene chloride	75-09-2	100	500	1000	0.05	51	0.05	0.00490	U	0.0110	U	0.00510	U	0.00530	U	0.00530	U	0.00490	U	0.00490	U	0.00520	U	0.00490	U
n-Butylbenzene	104-51-8	100	500	1000	12	100	12	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
n-Propylbenzene	103-65-1	100	500	1000	3.9	100	3.9	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
o-Xylene	95-47-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
p- & m- Xylenes	179601-23-1	~	~	~	~	~	~	0.00490	U	0.00480	U	0.00510	U	0.00530	U	0.00530	U	0.00490	U	0.00490	U	0.00520	U	0.00490	U
p-Isopropyltoluene	99-87-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
sec-Butylbenzene	135-98-8	100	500	1000	11	100	11	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Styrene	100-42-5	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
tert-Butyl alcohol (TBA)	75-65-0	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
tert-Butylbenzene	98-06-6	100	500	1000	5.9	100	5.9	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Tetrachloroethylene	127-18-4	19	150	300	1.3	5.5	1.3	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Toluene	108-88-3	100	500	1000	0.7	100	0.7	0.00240	U	0.00330	J	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00360	J	0.00260	U	0.00240	U
trans-1,2-Dichloroethylene	156-60-5	100	500	1000	0.19	100	0.19	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
trans-1,3-Dichloropropylene	10061-02-6	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Trichloroethylene	79-01-6	21	200	400	0.47	10	0.47	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Trichlorofluoromethane	75-69-4	~	~	~	~	~	~	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Vinyl Chloride	75-01-4	0.9	13	27	0.02	0.21	0.02	0.00240	U	0.00240	U	0.00250	U	0.00260	U	0.00260	U	0.00240	U	0.00250	U	0.00260	U	0.00240	U
Xylenes, Total	1330-20-7	100	500	1000	1.6	100	0.26	0.00730	U	0.00720	U	0.00760	U	0.00790	U	0.00790	U	0.00730	U	0.00740	U	0.00770	U	0.00730	U
Volatile Organics, Tentatively Identified Cmpds.								mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Dilution Factor								1		1		1		1		1		1		1		1		1	
Tentatively Identified Compounds								ID	U	ID	U	ID	U	ID	U	ID	U	ID	U	ID	U	ID	U	ID	U
Semi-Volatiles, NJDEP/TCL/Part 375 List		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor								2		2		2		2		2		2		2		2		2	
1,1-Biphenyl	92-52-4	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
1,2,4,5-Tetrachlorobenzene	95-94-3	~	~	~	~	~	~	0.0863	U	0.0842	U	0.0857	U	0.0861	U	0.0855	U	0.0849	U	0.0866	U	0.0868	U	0.0849	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	1.1	100	1.1	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
1,3-Dichlorobenzene	541-73-1	49	280	560	2.4	17	2.4	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
1,4-Dichlorobenzene	106-46-7	13	130	250	1.8	9.8	1.8	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
2,3,4,6-Tetrachlorophenol	58-90-2	~	~	~	~	~	~	0.0863	U	0.0842	U	0.0857	U	0.0861	U	0.0855	U	0.0849	U	0.0866	U	0.0868	U	0.0849	U
2,4,5-Trichlorophenol	95-95-4	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
2,4,6-Trichlorophenol	88-06-2	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
2,4-Dichlorophenol	120-83-2	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
2,4-Dimethylphenol	105-67-9	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
2,4-Dinitrophenol	51-28-5	~	~	~	~	~	~	0.0863	U	0.0842	U	0.0857	U	0.0861	U	0.0855	U	0.0849	U	0.0866	U	0.0868	U	0.0849	U
2,4-Dinitrotoluene	121-14-2	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
2,6-Dinitrotoluene	606-20-2	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
2-Chloronaphthalene	91-58-7	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
2-Methylphenol	95-48-7	100	500	1000	0.33	100	0.33	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
2-Nitroaniline	88-74-4	~	~	~	~	~	~	0.0863	U	0.0842	U	0.0857	U	0.0861	U	0.0855	U	0.0849	U	0.0866	U	0.0868	U	0.0849	U
2-Nitrophenol	88-75-5	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
3- & 4-Methylphenols	65794-96-9	100	500	1000	0.33	34	0.33	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
3,3-Dichlorobenzidine	91-94-1	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
3-Nitroaniline	99-09-2	~	~	~	~	~	~	0.0863	U	0.0842	U	0.0857	U	0.0861	U	0.0855	U	0.0849	U	0.0866	U	0.0868	U	0.0849	U
4,6-Dinitro-2-methylphenol	534-52-1	~	~	~	~	~	~	0.0863	U	0.0842	U	0.0857	U	0.0861	U	0.0855	U	0.0849	U	0.0866	U	0.0868	U	0.0849	U
4-Bromophenyl phenyl ether	101-55-3	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
4-Chloro-3-methylphenol	59-50-7	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
4-Chloroaniline	106-47-8	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
4-Chlorophenyl phenyl ether	7005-72-3	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
4-Nitroaniline	100-01-6	~	~	~	~	~	~	0.0863	U	0.0842	U	0.0857	U	0.0861	U	0.0855	U	0.0849	U	0.0866	U	0.0868	U	0.0849	U
4-Nitrophenol	100-02-7	~	~	~	~	~	~	0.0863	U	0.0842	U	0.0857	U	0.0861	U	0.0855	U	0.0849	U	0.0866	U	0.0868	U	0.0849	U
Acenaphthene	83-32-9	100	500	1000	98	100	20	0.0433	U	0.0422	U	0.0569	JD	0.0550	JD	0.0615	JD	0.0570	JD	0.0434	U	0.0435	U	0.0441	JD
Acenaphthylene	208-96-8	100	500	1000	107	100	100	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
Acetophenone	98-86-2	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
Aniline	62-53-3	~	~	~	~	~	~	0.173	U	0.169	U	0.172	U	0.172	U	0.171	U	0.170	U	0.173	U	0.174	U	0.170	U
Anthracene	120-12-7	100	500	1000	1000	100	100	0.145	D	0.116	D	0.159	D	0.188	D	0.164	D	0.162	D	0.174	D	0.116	D	0.120	D
Atrazine	1912-24-9	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
Benzaldehyde	100-52-7	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
Benzidine	92-87-5	~	~	~	~	~	~	0.173	U	0.169	U	0.172	U	0.172	U	0.171	U	0.170	U	0.173	U	0.174	U	0.170	U
Benzo(a)anthracene	56-55-3	1	5.6	11	1	1	1	0.275	D	0.247	D	0.340	D	0.317	D	0.359	D	0.356	D	0.360	D	0.273	D	0.274	D
Benzo(a)pyrene	50-32-8	1	1	1.1	22	1	1	0.284	D	0.251	D	0.329	D	0.316	D	0.360	D	0.358	D	0.392	D	0.285	D	0.273	D
Benzo(b)fluoranthene	205-99-2	1	5.6	11	1.7	1	1	0.365	D	0.322	D	0.424	D	0.391	D	0.449	D	0.470	D	0.503	D	0.371	D	0.366	D
Benzo(g,h,i)perylene	191-24-2	100	500	1000	1000	100	100	0.212	D	0.177	D	0.231	D	0.217	D	0.261	D	0.256	D	0.254	D	0.200	D	0.200	D
Benzo(k)fluoranthene	207-08-9	3.9	56	110	1.7	1	0.8	0.124	D	0.114	D	0.147	D	0.140	D	0.176	D	0.149	D	0.165	D	0.122	D	0.121	D
Benzoic acid	65-85-0	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
Benzyl alcohol	100-51-6	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
Benzyl butyl phthalate	85-68-7	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
Bis(2-chloroethoxy)methane	111-91-1	~	~	~	~	~	~	0.0433	U	0.0422	U	0.0430	U	0.0431	U	0.0428	U	0.0426	U	0.0434	U	0.0435	U	0.0425	U
Bis(2-chloroethyl)ether	111-44-4	~	~	~	~	~	~

Imported Soil Analytical Data
329 Clarkson Ave., Brooklyn

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	S-15 Z3L1254-15 12/18/2023 10:37:00 AM Soil		S-16 Z3L1254-16 12/18/2023 10:42:00 AM Soil		S-17 Z3L1254-17 12/18/2023 10:46:00 AM Soil		S-18 Z3L1254-18 12/18/2023 10:50:00 AM Soil		S-19 Z3L1254-19 12/18/2023 10:54:00 AM Soil		S-20 Z3L1254-20 12/18/2023 10:59:00 AM Soil		S-21 Z3L1254-21 12/18/2023 11:03:00 AM Soil		S-22 Z3L1254-22 12/18/2023 11:07:00 AM Soil		S-23 Z3L1254-23 12/18/2023 11:11:00 AM Soil	
Compound	CAS Number							Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Endrin aldehyde	7421-93-4	~	~	~	~	~	~	0.00168	U	0.00169	U	0.00171	U	0.00171	U	0.00170	U	0.00171	U	0.00171	U	0.00167	U	0.00168	U
Endrin ketone	53494-70-5	~	~	~	~	~	~	0.00168	U	0.00169	U	0.00171	U	0.00171	U	0.00170	U	0.00171	U	0.00171	U	0.00167	U	0.00168	U
gamma-BHC (Lindane)	58-89-9	1.3	9.2	23	0.1	0.28	0.1	0.00168	U	0.00169	U	0.00171	U	0.00171	U	0.00170	U	0.00171	U	0.00171	U	0.00167	U	0.00168	U
gamma-Chlordane	5566-34-7	~	~	~	~	~	~	0.0196	D	0.0164	D	0.0169	D	0.00564	D	0.00590	D	0.00589	D	0.00391	D	0.00473	D		
Heptachlor	76-44-8	2.1	15	29	0.38	0.42	0.042	0.00339	D	0.00301	D	0.00239	D	0.00171	U	0.00170	U	0.00171	U	0.00171	U	0.00167	U	0.00168	U
Heptachlor [2C]	76-44-8	2.1	15	29	0.38	0.42	0.042	NT		NT		NT		NT		NT		NT		NT		NT		NT	
Heptachlor epoxide	1024-57-3	~	~	~	~	~	~	0.00319	D	NT		NT		0.00171	U	0.00170	U	0.00171	U	0.00171	U	0.00167	U	0.00168	U
Heptachlor epoxide [2C]	1024-57-3	~	~	~	~	~	~	NT		0.00169	U	0.00171	U	NT		NT		NT		NT		NT		NT	
Methoxychlor	72-43-5	~	~	~	~	~	~	NT		NT		0.00856	U	0.00854	U	0.00851	U	0.00857	U	0.00854	U	0.00837	U	0.00842	U
Methoxychlor [2C]	72-43-5	~	~	~	~	~	~	0.00184	D	0.00169	U	NT		NT		NT		NT		NT		NT		NT	
Toxaphene	8001-35-2	~	~	~	~	~	~	0.0850	U	0.0857	U	0.0857	U	0.0864	U	0.0862	U	0.0867	U	0.0864	U	0.0847	U	0.0853	U
NJDEP EPH (Cat. 2 Non-Fractionated)								mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Dilution Factor								1		1		1		1		1		1		1		1		1	
Total EPH		~	~	~	~	~	~	99,400		91,100	U	96,400		82,400		89,200		80,300		67,300	U	50,200	U	57,700	
Metals, Target Analyte		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor								1		1		1		1		1		1		1		1		1	
Aluminum	7429-90-5	~	~	~	~	~	~	4,330		3,570		4,880		5,770		4,850		4,490		4,710		4,490		3,690	
Antimony	7440-36-0	~	~	~	~	~	~	2.180	U	2.150	U	2.180	U	2.330	U	2.180	U	2.180	U	2.180	U	2.180	U	2.160	U
Arsenic	7440-38-2	16	16	16	16	16	13	3.170		3.170		2.620		1.310	U	2.930		2.980		1.830		1.970		1.300	U
Barium	7440-39-3	400	400	10000	820	350	350	58.800		24.400		40.800		50.400		35.400		40.200		39.200		33.200		25.200	
Beryllium	7440-41-7	72	590	2700	47	14	7.2	0.0440	U	0.0430	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U	0.0440	U
Cadmium	7440-43-9	4.3	9.3	60	7.5	2.5	2.5	0.261	U	0.258	U	0.261	U	0.262	U	0.261	U	0.261	U	0.261	U	0.261	U	0.260	U
Calcium	7440-70-2	~	~	~	~	~	~	7,070		4,900		8,710		16,000		7,970		9,040		9,030		7,180		22,400	
Chromium	7440-47-3	~	~	~	~	~	~	19		14.100		20.100		68.400		16.900		18.400		23		21.300		14.700	
Cobalt	7440-48-4	~	~	~	~	~	~	6.020		3.850		6.420		8.870		5.650		5.790		6.120		5.370		4.660	
Copper	7440-50-8	270	270	10000	1720	270	50	13.100		8.900		14.700		17.400		12.500		15.300		13.700		12.800		12	
Iron	7439-89-6	~	~	~	~	~	~	10,100		9,170		11,000		13,600		9,280		9,250		10,300		10,300		9,150	
Lead	7439-92-1	400	1000	3900	450	400	63	24		17		26.700		26		23.200		26.900		25.700		22.100		16.900	
Magnesium	7439-95-4	~	~	~	~	~	~	2,810		1,980		3,960		5,590		2,750		2,380		3,280		2,620		11,700	
Manganese	7439-96-5	2000	10000	10000	2000	2000	1600	169		102		177		170		140		149		144		134		117	
Nickel	7440-02-0	310	310	10000	130	140	30	**40.700**		23.800		**49.100**		**73.100**		**37.300**		**36**		**40**		**30.800**		**30.100**	
Potassium	7440-09-7	~	~	~	~	~	~	962		862		1,010		1,100		940		829		990		1,020		755	
Selenium	7782-49-2	180	1500	6800	4	36	3.9	2.180	U	2.150	U	2.180	U	2.330	U	2.180	U	2.180	U	2.180	U	2.180	U	2.160	U
Silver	7440-22-4	180	1500	6800	8.3	36	2	0.439	U	0.434	U	0.439	U	0.441	U	0.439	U	0.439	U	0.439	U	0.439	U	0.436	U
Sodium	7440-23-5	~	~	~	~	~	~	165		127		196		194		165		182		187		164		152	
Thallium	7440-28-0	~	~	~	~	~	~	2.180	U	2.150	U	2.180	U	2.190	U	2.180	U	2.180	U	2.180	U	2.180	U	2.160	U
Vanadium	7440-62-2	~	~	~	~	~	~	15.600		13.300		16.200		17.200		13.500		15.800		15.700		15.900		12.700	
Zinc	7440-66-6	10000	10000	10000	2480	2200	109	57.700		27.100		40.700		42.800		35.500		42		43.800		35.400		30.800	
Nickel, SPLP by EPA 6020		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/L				mg/L		mg/L											
Dilution Factor								1				1		1											
Nickel	7440-02-0	310	310	10000	130	140	30	0.00939		NT		0.00336		0.0521		NT		NT		NT		NT		NT	
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor								1		1		1		1		1		1		1		1		1	
Mercury	7439-97-6	0.81	2.8	5.7	0.73	0.81	0.180	0.0603		0.0310	U	0.0587		0.0564		0.0450		0.0424		0.0460		0.0345		0.0387	
Mercury, SPLP		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg																	
Dilution Factor								1																	
Mercury	7439-97-6	0.81	2.8	5.7	0.73	0.81	0.18	NT		NT		NT		NT		NT		NT		NT		NT		NT	
Chromium, Hexavalent		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor								1		1		1		1		1		1		1		1		1	
Chromium, Hexavalent	18540-29-9	110	400	800	19	22	1	0.523	U	0.516	U	0.522	U	0.525	U	0.523	U	0.523	U	0.523	U	0.522	U	0.519	U
Cyanide, Total		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor								1		1		1		1		1		1		1		1		1	
Cyanide, total	57-12-5	27	27	10000	40	27	27	0.523	U	0.516	U	0.522	U	1.260	U	0.523	U	0.523	U	0.523	U	0.522	U	0.519	U
SPLP Extraction for METALS EPA 1312								N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Dilution Factor								1		1		1		1		1		1		1		1		1	
SPLP Extraction		~	~	~	~	~	~	Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed	
SPLP Extraction for SVOC/PEST/HERB 1312								N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Dilution Factor								1		1		1		1		1		1		1		1		1	
SPLP Extraction		~	~	~	~	~	~	Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed	
SPLP Extraction for VOA by EPA 1312 ZHE								N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Dilution Factor								1		1		1		1		1		1		1		1		1	
SPLP Extraction		~	~	~	~	~	~	Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed	
Total Solids								%		%		%		%		%		%		%		%		%	
Dilution Factor								1		1		1		1		1		1		1		1		1	
% Solids	solids	~	~	~	~	~	~	95.600		96.800		95.700		95.300		95.600		95.700		95.700		95.700		96.300	
Polychlorinated Biphenyls (PCB)		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor								1		1		1		1		1		1		1		1		1	
Aroclor 1016	12674-11-2	~	~	~	~	~	~	0.0170	U	0.0171	U	0.0173	U	0.0172	U	0.0172	U	0.0173	U	0.0172	U	0.0169	U	0.0170	U
Aroclor 1221	11104-28-2	~	~	~	~	~	~	0.0170	U	0.0171	U	0.0173	U	0.0172	U	0.0172	U	0.0173	U	0.0172	U	0.0169	U	0.0170	U
Aroclor 1232	11141-16-5	~	~	~	~	~	~	0.0170	U	0.0171	U	0.0173	U	0.0172	U	0.0172	U	0.0173	U	0.0172	U	0.0169	U	0.0170	U
Aroclor 1242	53469-21-9	~	~	~	~	~	~	0.0170	U	0.0171	U	0.0173	U	0.0172	U	0.0172	U	0.0173	U	0.0172	U	0.0169	U	0.0170	U
Aroclor 1248	12672-29-6	~	~	~	~	~	~	0.0170	U	0.0171	U	0.0173	U	0.0172	U	0.0172	U	0.0173	U	0.0172	U	0.0169	U	0.0170	U
Aroclor 1254	11097-69-1	~	~	~	~	~	~	0.0637		0.0171	U	0.0173	U	0.0172	U	0.0172	U	0.0173	U	0.0172	U	0.0169	U	0.0170	U
Aroclor 1260	11096-82-5	~	~	~	~	~	~	0.0170	U	0.0171	U	0.0173	U	0.0172	U	0.0172	U	0.0173	U	0.0172	U	0.0169	U	0.0170	U
Total PCBs	1336-36-3	1	1	25	3.2	1	0.1	0.0637		0.0171	U	0.0173	U	0.0172	U	0.0172	U	0.0173	U	0.0172	U	0.0169	U	0.0170	U

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

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