



GE Global Research

Paul G. Guilmette
Environmental Program Leader

1 Research Circle K1-2C02
Niskayuna, NY 12309
USA

T 518 387 6902
C 518 269 6875
Paul.Guilmette@ge.com

June 9, 2022

Mr. Daniel J. Evans, P.E.
Director, Bureau of Hazardous Waste & Radiation Management
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7256
(*electronic copy via email*)

Dear Mr. Evans:

Attached, please find a copy of the Soil Excavation Work Plan (SEWP) for the area of the old stone foundation at the General Electric Company's (GE's) Global Research Center (GRC) in Niskayuna, New York.

As previously communicated, GE intends to excavate the soils at the site of the old stone foundation with metals concentrations exceeding the 6 NYCRR Part 375 Residential Soil Cleanup Objectives (SCOs.) The excavation work and associated activities, including project permitting requirements, are detailed in the attached SEWP. GE intends to commence and complete the soil excavation work in the summer of 2022.

If you have any questions regarding the SEWP, please do not hesitate to contact me. If desired, I would be happy to set up a conference call with NYSDEC personnel to review the approach to completing the soil excavation work.

Sincerely,

Paul G. Guilmette
Environmental Program Leader

cc:

Lynn Winterberger, NYSDEC
Dean Sommer, Young/Sommer
Lew Streeter, GE
Doug Weeks, Arcadis

Paul Guilmette
Environmental Program Leader
General Electric Company
Global Research Center
1 Research Circle
Niskayuna, NY 12309

Arcadis of New York, Inc.
855 Route 146
Suite 210
Clifton Park
New York 12065
Phone: 518 250 7300
Fax: 518 371 2757
www.arcadis.com

Date: June, 9, 2022
Our Ref: 30064074.4001A
Subject: General Electric Company
Global Research Center – Niskayuna, New York
Soil Excavation Work Plan – Old Stone Foundation Area

Dear Mr. Guilmette,

On behalf of the General Electric Company (GE), Arcadis U.S., Inc. (Arcadis) has prepared this Soil Excavation Work Plan to present the scope of the excavation activities to be performed in the vicinity of an old stone foundation at GE's Global Research Center (GRC) property located at 1 Research Circle in Niskayuna, NY (the Site). The location of the stone foundation is shown on **Figure 1**.

Project Background

GE is seeking to make four primarily undeveloped areas of land at the GRC property (Vacant Land Areas 1 through 4, totaling approximately 200 acres) available for potential development. The Vacant Land Areas (VLAs) are not associated with active GE operations and available evidence establishes that no facility operations or waste management activities have occurred on the four VLAs. GE is currently working with the New York State Department of Environmental Conservation (NYSDEC) to “carve out” these VLAs from the defined “Facility” as it relates to future regulation under the Resource Conservation and Recovery Act (RCRA).

VLA 1 comprises approximately 143 acres of woods and open fields northwest of the GRC. A stone foundation was discovered on the northern portion of VLA 1 in 2000. The stone foundation is approximately four feet deep. Soil and groundwater sampling within and around the old stone foundation was initially conducted by GE in 2002 and 2003, with follow-up soil and groundwater sampling conducted in 2022. The results of the 2022 and historical sampling are presented in the Data Summary Report – Old Stone Foundation Soil Investigation (Arcadis April 2022). In summary, the results of the soil investigation work indicate the presence of select metals (lead, arsenic, cadmium and mercury) in shallow soils (i.e., 0-3 feet below ground surface [bgs]) at concentrations exceeding the 6 New York Code of Rules and Regulations (NYCRR) Part 375-6.8(b) Residential Soil Cleanup Objectives (SCOs), as shown in **Figure 2**.

As previously indicated to NYSDEC, and as stated in the April 2022 Data Summary Report, GE intends to excavate soils in the vicinity of the old stone foundation that contain metals at concentrations exceeding the Residential SCOs. The soil excavation and related activities are detailed in the sections that follow.

Pre-Mobilization Activities

Waste characterization sampling for polychlorinated biphenyls, toxicity characteristic leaching procedure (TCLP) volatile organic compounds, TCLP semi-volatile organic compounds, and TCLP metals was conducted on March 22 and 23, 2022 to determine off-site disposal requirements for the soil and allow for development of a waste profile. The results, which demonstrate that the soils are non-hazardous, and are summarized in **Table 1**. The laboratory analytical report is provided in **Attachment A**.

A wetland assessment was conducted at the site on March 30, 2022. No wetlands were found within the work area; however, a palustrine emergent wetland (PEM) and palustrine scrub-shrub (PSS) wetland was identified southwest of the planned excavation area (**Figure 3**). The wetland will not be disturbed during the implementation of the site preparation or soil excavation work.

Prior to mobilization to the Site, the Site-specific Health and Safety Plan (HASP) will be updated to address the soil excavation and associated work activities described herein, including task-specific Job Safety Analyses (JSAs).

Mobilization and Site Preparation

Mobilization

Initial mobilization tasks will include establishing a temporary field trailer and sanitary facilities on-Site. Following this, the necessary manpower, equipment, and materials will be mobilized to the Site to implement the soil excavation.

Utility Clearance and Mark-Out

There are no above-grade utilities in the work area. Based on the remote location of the work area and the results of prior utility clearance activities conducted as part of the recent delineation soil sampling, underground utilities are not believed to be present. Nonetheless, prior to initiating ground-intrusive activities, Dig Safely New York will be contacted to demarcate existing subsurface utilities.

Pre-Construction Survey and Layout

A pre-construction survey will be conducted prior to clearing and grubbing to establish the horizontal limits of excavation. Survey control will be maintained throughout the excavation and restoration activities to allow for documentation of the work.

Vegetation Clearing

Some clearing of vegetation will be required to gain access to the old stone foundation area to complete the soil excavation work. Given the small size of the excavation area, it is anticipated that the work will be completed using smaller machinery such as a mini-excavator and skid-steer loader. A temporary geotextile and stone access road will be installed from the southern end of the asphalt parking area on the west side of the GE Learning Center, extending across the sloped lawn and through the woods to the site of the stone foundation. Vegetation within the limits of excavation and access road area, as well as an approximate 10-foot-wide area around the

excavation perimeter¹, will be removed as necessary to allow for performance of the soil excavation. Smaller vegetation and trees will either be chipped onsite or re-located to an area outside of the excavation area. Larger trees that are located within the excavation area will remain in place, where practicable, and excavation will be performed around these trees using a mini-excavator, hand shovels, and other hand tools.

Temporary Erosion and Sedimentation Controls

Temporary erosion and sedimentation controls, consisting of silt fence and/or straw wattles, or hay/straw bales will be installed before initiating ground-intrusive activities. Once installed, temporary erosion and sediment controls will be inspected on a daily basis to verify their continued effectiveness and integrity. Any deficiencies observed during those inspections will be promptly addressed. The temporary erosion and sedimentation controls will be removed following completion of the excavation and backfill and restoration of the area.

Pre-Remediation Supplemental Soil Sampling and Post-Excavation Confirmation Sampling

To supplement the existing robust soil dataset and allow for completion of the soil excavation and backfill work in an efficient manner, limited pre-remediation soil sampling will be conducted in advance of the excavation work at the locations shown on **Figure 3**. Specifically, the purpose of the pre-remediation sampling is to confirm, in lieu of post-excavation confirmation sampling, that the planned excavation limits shown on **Figure 3** achieve the Residential SCOs in accordance with DER-10 5.4(b). The pre-remediation samples will be collected as shown in **Figure 3** for lead and arsenic and submitted to the laboratory. If there are no exceedances of the Residential SCOs from pre-remediation soil samples PRSS-1 and PRSS-2, the final excavation limits as shown on **Figure 3** will have been effectively verified. If there are exceedances of the applicable Residential SCOs at one or both of these locations, the “step-out” samples (PRSS-3 and PRSS-4, respectively) shown on **Figure 3** will be analyzed accordingly.

In addition to the pre-remediation soil sampling, limited post-excavation confirmation sampling will be conducted after the two 3-foot excavations are completed (PECS-01 through PECS-05). These samples will be collected from the sidewalls of these excavation areas as shown in **Figure 3** and submitted to the laboratory for analysis of lead and mercury. If there are no exceedances of the Residential SCOs in these samples, the excavation will be considered complete. If there are exceedances of the applicable Residential SCOs in a sample, the 3-foot excavation will be stepped out an additional (approximately) five feet in from the sample location.

Soil Excavation and Disposal

The results of the soil sampling conducted at the site (**Figure 2**) were used to determine the preliminary limits and depths of soil excavation as shown in **Figure 3**. Based on the soil sampling data, the depth of excavation will range from a minimum depth of 1 foot to a maximum depth of 3 feet. The soils will be excavated using a mini-excavator or other appropriate track-mounted equipment. Field survey measurements will be used to verify that the target removal depths have been achieved. Depth to water in the work area is approximately five to six feet below grade and thus saturated soils are not anticipated to be encountered. All excavated materials will be transferred to lined roll-off containers that will be staged on asphalt in the parking lot on the west side of the GE Renewable Energy Learning Center. Once loaded, the roll-off containers will be tarped and transported to Waste

¹ Limited clearing will be performed outside of the planned excavation limits at the southwest corner of the excavation area to avoid disturbance of an existing wetland.

Management Green Ridge RDF in Gansevoort, New York for disposal. Over-the-road transport of these materials will be performed by licensed haulers in accordance with appropriate local, state, and federal regulations.

Upon completion of the soil excavation to the required depth, a survey will be conducted to record the final horizontal and vertical limits of excavation.

Air Monitoring

Air monitoring will be performed on a daily basis during ground-intrusive or dust-generating activities. Monitoring will be performed for particulate matter less than 10 microns in diameter (PM₁₀) at the upwind and downwind perimeter of the work area. The general community air monitoring procedures and action levels for PM₁₀ are identified in Appendix 1A of NYSDEC's Technical Guidance for Site Investigation and Remediation (DER-10), provided in Attachment B. As described in that plan, when the PM₁₀ concentrations exceed the alert level of 100 µg/m³, dust suppression techniques will be employed and if the concentrations exceed the action level of 150 µg/m³, then work will be stopped and the nature of the activities will be re-evaluated.

Air monitoring stations (one upwind and one downwind location) will be established at the start of each day based on the predominant wind direction at the Site. Each monitoring station will include a portable, data-logging aerosol monitor such as a TSI 8530 DustTrak or similar.

Dust controls (i.e., application of water mist) will be employed as necessary during the work activities.

Backfill and Site Restoration

Following completion of the soil excavation as determined via the results of the pre-remediation soil sampling and limited post-excavation confirmatory sampling, the open excavation will be backfilled to match the surrounding grade. The equipment bucket will be decontaminated or replaced with a clean bucket before switching from excavation to backfilling activities. Stone used in constructing the temporary access road will be utilized for backfill, with additional imported gravel fill used to achieve final grade. Gravel fill materials imported to the Site will be sampled to ensure compliance with the Residential SCOs prior to use onsite.

Demobilization

Upon completion of the work, all materials and equipment will be removed from the Site.

Reporting

Upon completion of the remedial activities described above, Arcadis will prepare a Construction Completion Report documenting the work performed. The Construction Completion Report is anticipated to include the following:

- A summary of the work as performed, including a discussion of deviations from this Soil Excavation Work Plan;
- Results of additional pre-remediation soil sampling, and post-excavation confirmatory soil sampling;
- Documentation regarding the quantity of soil/debris excavated and disposed off-site;
- Analytical data for backfill source(s);

Paul Guilmette
General Electric Company
June 9, 2022

- Representative project photographs; and
- A figure documenting the final limits of excavation.

Schedule

Arcadis will begin mobilization within approximately 30 days following the later of NYSDEC approval of this Soil Excavation Work Plan or receipt of required permits/regulatory approvals. The site preparation, soil excavation, waste transportation and off-site disposal, and site restoration work are anticipated to require up to four weeks to complete. The Construction Completion Report will be submitted to NYSDEC within 30 days following receipt of final waste disposal/destruction documentation from the selected waste disposal facility.

Please contact me at 518.514.8932 if you have any questions.

Sincerely,
Arcadis of New York, Inc.



Doug Weeks
Project Manager

Email: doug.weeks@arcadis.com
Mobile: 518.514.8932

CC. Lewis Streeter, GE
Mark Burkhart, Arcadis
Lyle Grant, Arcadis
Todd Merrell, Arcadis

Enclosures:

Table 1 – Summary of Waste Characterization Sampling Data
Figure 1 – Stone Foundation Soil Investigation Boring Locations
Figure 2 – Stone Foundation Soil Sampling Data Compared to Residential SCOs
Figure 3 – Stone Foundation – Preliminary Soil Excavation Limits
Attachment A – Laboratory Analytical Report for Waste Characterization Samples
Attachment B – NYSDOH Generic Community Air Monitoring Plan

Table

Table 1
Summary of Waste Characterization Sampling Data
Soil Excavation Work Plan – Old Stone Foundation Area
GE Global Research Center
Niskayuna, New York

Sample ID: Sample Date:	Units	Hazardous Waste Characteristic Limits	GE-GRC-EXC1 3/23/2022	GE-GRC-EXC1-WC-CMP 3/23/2022	GE-GRC-EXC2 3/23/2022	GE-GRC-EXC2-WC-CMP 3/23/2022	GE-GRC-EXC3 3/22/2022	GE-GRC-EXC3-WC-CMP 3/22/2022
Polychlorinated Biphenyls								
Aroclor 1016	µg/kg	--	23 U	NA	22 U	NA	18 U	NA
Aroclor 1221	µg/kg	--	23 U	NA	22 U	NA	18 U	NA
Aroclor 1232	µg/kg	--	23 U	NA	22 U	NA	18 U	NA
Aroclor 1242	µg/kg	--	23 U	NA	22 U	NA	18 U	NA
Aroclor 1248	µg/kg	--	23 U	NA	22 U	NA	18 U	NA
Aroclor 1254	µg/kg	--	23 U	NA	22 U	NA	18 U	NA
Aroclor 1260	µg/kg	--	23 U	NA	22 U	NA	18 U	NA
TCLP Volatile Organic Compounds								
1,1-Dichloroethene	mg/L	0.7	NA	0.20 U	NA	0.20 U	NA	0.20 U*+
1,2-Dichloroethane	mg/L	0.5	NA	0.20 U	NA	0.20 U	NA	0.20 U
2-Butanone (MEK)	mg/L	200	NA	0.20 U	NA	0.20 U	NA	0.20 U
Benzene	mg/L	0.5	NA	0.20 U	NA	0.20 U	NA	0.20 U
Carbon Tetrachloride	mg/L	0.5	NA	0.20 U	NA	0.20 U	NA	0.20 U
Chlorobenzene	mg/L	100	NA	0.20 U	NA	0.20 U	NA	0.20 U
Chloroform	mg/L	6	NA	0.20 U	NA	0.20 U	NA	0.20 U
Tetrachloroethene	mg/L	0.7	NA	0.20 U	NA	0.20 U	NA	0.20 U
Trichloroethene	mg/L	0.5	NA	0.20 U	NA	0.20 U	NA	0.20 U
Vinyl chloride	mg/L	0.2	NA	0.20 U	NA	0.20 U	NA	0.20 U
TCLP Semivolatile Organic Compounds								
1,4-Dichlorobenzene	mg/L	7.5	NA	0.050 U	NA	0.050 U	NA	0.050 U
2,4,5-Trichlorophenol	mg/L	400	NA	0.050 U	NA	0.050 U	NA	0.050 U
2,4,6-Trichlorophenol	mg/L	2	NA	0.050 U	NA	0.050 U	NA	0.050 U
2,4-Dinitrotoluene	mg/L	0.13	NA	0.050 U	NA	0.050 U	NA	0.050 U
2-Methylphenol	mg/L	200	NA	0.050 U	NA	0.050 U	NA	0.050 U
3-Methylphenol, 4-Methylphenol	mg/L	200	NA	0.050 U	NA	0.050 U	NA	0.050 U
Hexachloro-1,3-butadiene	mg/L	0.5	NA	0.050 U	NA	0.050 U	NA	0.050 U
Hexachlorobenzene	mg/L	0.13	NA	0.050 U	NA	0.050 U	NA	0.050 U
Hexachloroethane	mg/L	3	NA	0.050 U	NA	0.050 U	NA	0.050 U
Nitrobenzene	mg/L	2	NA	0.050 U	NA	0.050 U	NA	0.050 U
Pentachlorophenol	mg/L	100	NA	0.25 U	NA	0.25 U	NA	0.25 U
Pyridine	mg/L	5	NA	0.10 U	NA	0.10 U	NA	0.10 U
TCLP Metals								
Arsenic	mg/L	5	NA	0.50 U	NA	0.50 U	NA	0.50 U
Barium	mg/L	100	NA	1.0 J B	NA	0.33 J B	NA	1.2 J
Cadmium	mg/L	1	NA	0.50 U	NA	0.50 U	NA	0.50 U
Chromium	mg/L	5	NA	0.50 U	NA	0.50 U	NA	0.50 U
Lead	mg/L	5	NA	0.33 J	NA	0.11 J	NA	0.26 J
Mercury	mg/L	0.2	NA	0.00020 U	NA	0.00020 U	NA	0.00020 U
Selenium	mg/L	1	NA	0.50 U	NA	0.50 U	NA	0.50 U
Silver	mg/L	5	NA	0.50 U	NA	0.50 U	NA	0.50 U

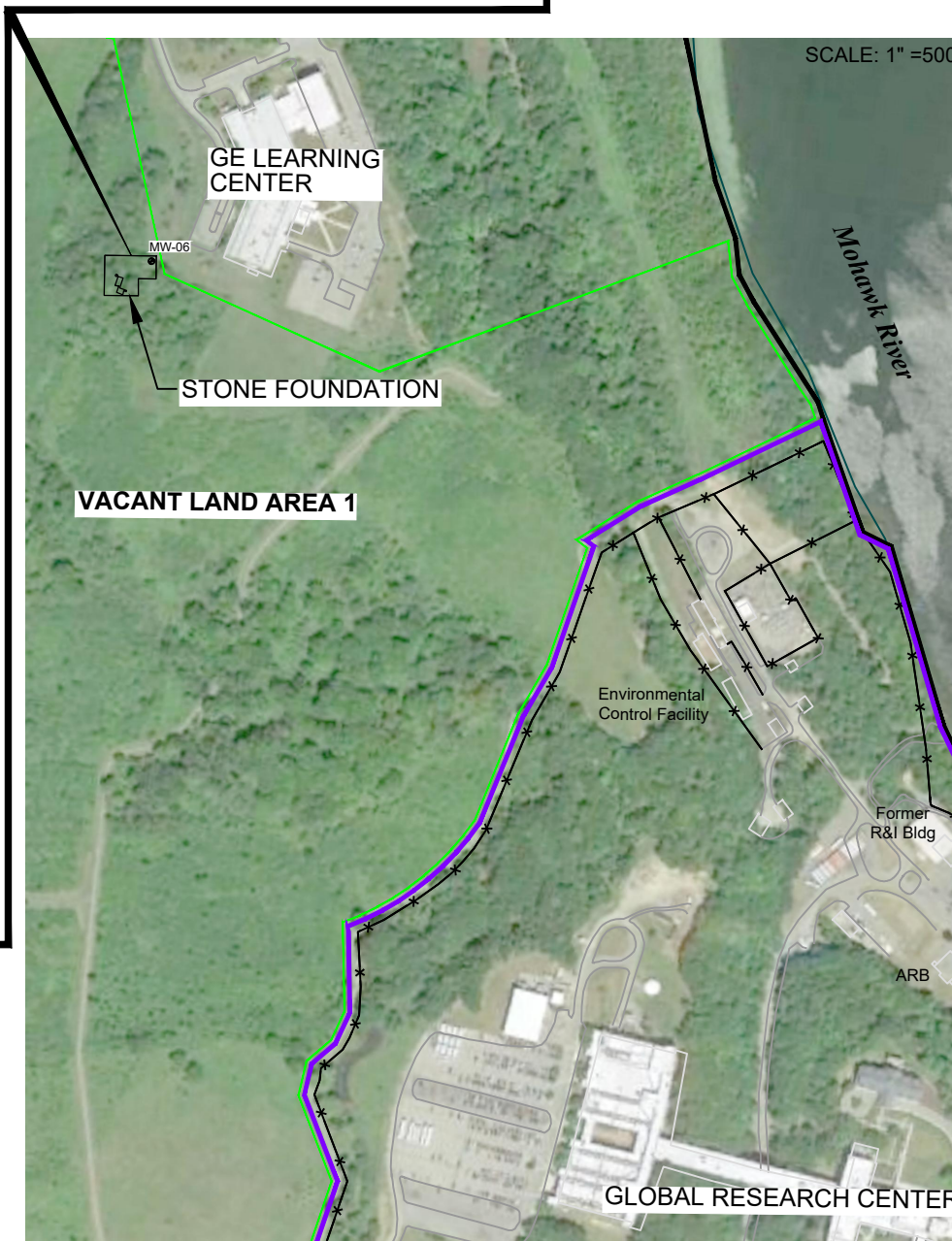
Notes:

1. Bolded sample concentrations denote detected parameters.
2. NA: not analyzed.
3. TCLP: toxicity characteristic leaching procedure.

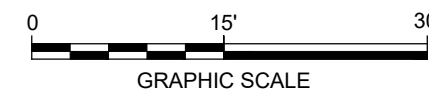
Data Qualifiers:

1. B: Parameter was also detected in the associated method blank.
2. J: Concentration is less than the reporting limit (RL), but greater than or equal to the method detection limit. The reported concentration is an estimate.
3. U: Parameter was not detected in the sample. The reported concentration is the RL.
4. *+: LCS and/or LCSD is outside acceptance limits.

Figures



SOURCE:
AERIAL IMAGERY PROVIDED BY
GOOGLE EARTH, DATED JUNE, 2018.

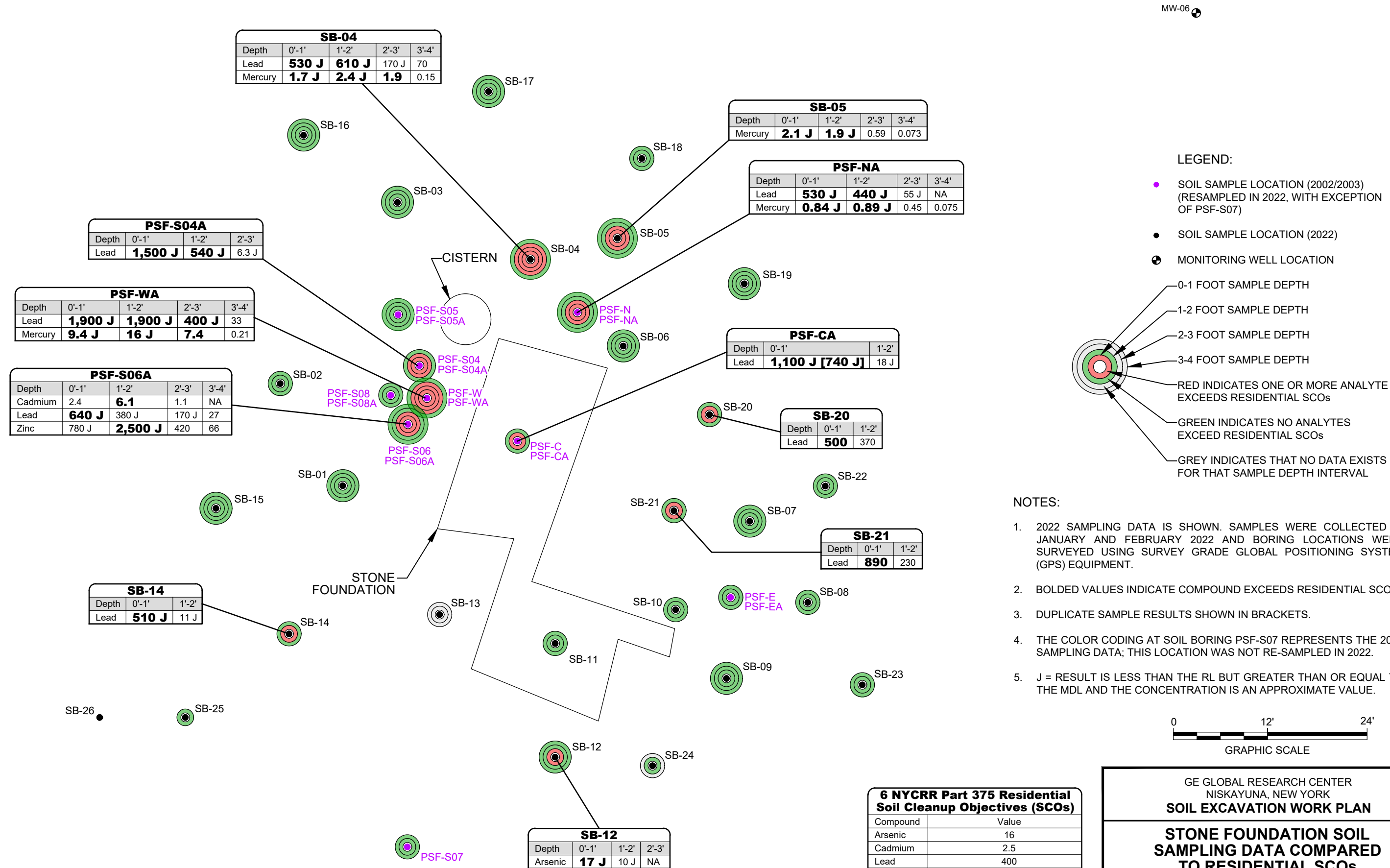


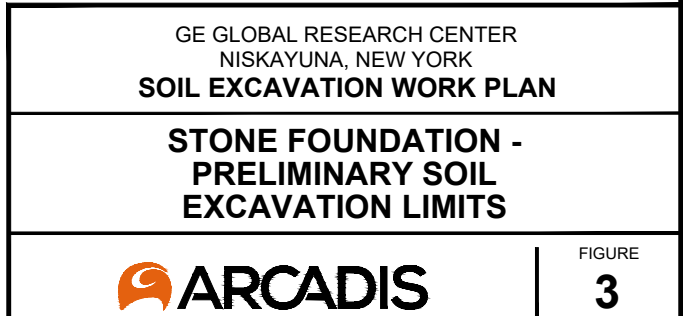
GE GLOBAL RESEARCH CENTER
NISKAYUNA, NEW YORK
SOIL EXCAVATION WORK PLAN

STONE FOUNDATION SOIL INVESTIGATION BORING LOCATIONS



FIGURE
1





Attachment A

Laboratory Analytical Report for Waste Characterization Samples

ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-135695-1
Client Project/Site: GE Niskayuna

For:
ARCADIS U.S. Inc
6041 Wallace Road Extension
Suite 300
Wexford, Pennsylvania 15090

Attn: Mark Burkhart



Authorized for release by:
4/12/2022 12:55:00 PM

Jill Colussy, Project Manager I
(412)963-2444
Jill.Colussy@et.eurofinsus.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions/Glossary	5
Certification Summary	6
Sample Summary	7
Method Summary	8
Lab Chronicle	9
Client Sample Results	12
QC Sample Results	18
QC Association Summary	28
Chain of Custody	32
Receipt Checklists	33



Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Job ID: 180-135695-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative 180-135695-1

Receipt

The samples were received on 3/24/2022 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

The laboratory control sample (LCS) for analytical batch 180-394679 recovered outside control limits for the following analytes: 1,1-Dichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in 180-394679 was outside the method criteria for the following analyte(s) 1,1-Dichloroethene and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in 180-394679 was outside the method criteria for the following analyte(s) 1,1-Dichloroethene and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 180-394677 was outside the method criteria for the following analyte: Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

GC/MS Semi VOA

The continuing calibration verification (CCV) associated with batch 180-394224 recovered above the upper control limit for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 180-394333 recovered above the upper control limit for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

PCBs

Sample GE-GRC-EXC2 (180-135695-3) had surrogate Tetrachlorobiphenyl recover below the control limits on both columns. Evidence of matrix interference was present; therefore, all data was reported.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Geotechnical

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Job ID: 180-135695-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

1

2

3

4

5

6

7

8

9

10

11

12

13

Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-02-22 *

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Pittsburgh

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-135695-1	GE-GRC-EXC3	Solid	03/22/22 13:55	03/24/22 09:00
180-135695-2	GE-GRC-EXC3-WC-CMP	Solid	03/22/22 14:35	03/24/22 09:00
180-135695-3	GE-GRC-EXC2	Solid	03/23/22 08:50	03/24/22 09:00
180-135695-4	GE-GRC-EXC2-WC-CMP	Solid	03/23/22 08:55	03/24/22 09:00
180-135695-5	GE-GRC-EXC1	Solid	03/23/22 09:05	03/24/22 09:00
180-135695-6	GE-GRC-EXC1-WC-CMP	Solid	03/23/22 09:45	03/24/22 09:00

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010D	Metals (ICP)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
1311	TCLP Extraction	SW846	TAL PIT
3010A	Preparation, Total Metals	SW846	TAL PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5030C	Purge and Trap	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT
EPA 1311	TCLP Extraction	SW846	TAL PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Client Sample ID: GE-GRC-EXC3

Lab Sample ID: 180-135695-1

Date Collected: 03/22/22 13:55

Matrix: Solid

Date Received: 03/24/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			393101	03/25/22 14:12	NAF	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GE-GRC-EXC3

Lab Sample ID: 180-135695-1

Date Collected: 03/22/22 13:55

Matrix: Solid

Date Received: 03/24/22 09:00

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	393358	03/28/22 20:32	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	394184	04/05/22 04:56	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	394185	04/05/22 04:56	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			394209	04/05/22 10:39	JMO	TAL PIT
Instrument ID: CHGC8										

Client Sample ID: GE-GRC-EXC3-WC-CMP

Lab Sample ID: 180-135695-2

Date Collected: 03/22/22 14:35

Matrix: Solid

Date Received: 03/24/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.04 g	500 mL	394193	04/05/22 15:00	BJT	TAL PIT
TCLP	Analysis	8260D		1	0.25 mL	5 mL	394679	04/08/22 16:53	APD	TAL PIT
Instrument ID: CHHP11										
TCLP	Leach	EPA 1311			100.01 g	2000 mL	393905	04/01/22 15:00	MRS	TAL PIT
TCLP	Prep	3510C			200 mL	10.0 mL	394127	04/04/22 11:20	CBY	TAL PIT
TCLP	Analysis	8270E		1	1 mL	1 mL	394224	04/05/22 18:19	VVP	TAL PIT
Instrument ID: CH732										
TCLP	Leach	EPA 1311			100.01 g	2000 mL	393905	04/01/22 15:00	MRS	TAL PIT
TCLP	Prep	3010A			5 mL	50 mL	393990	04/02/22 10:27	KFS	TAL PIT
TCLP	Analysis	6010D		1			394194	04/04/22 14:24	RJG	TAL PIT
Instrument ID: C										
TCLP	Leach	EPA 1311			100.01 g	2000 mL	393905	04/01/22 15:00	MRS	TAL PIT
TCLP	Prep	7470A			25 mL	25 mL	394063	04/04/22 07:18	RJR	TAL PIT
TCLP	Analysis	EPA 7470A		1			394171	04/04/22 17:39	RJR	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	2540G		1			393101	03/25/22 14:12	NAF	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GE-GRC-EXC2

Lab Sample ID: 180-135695-3

Date Collected: 03/23/22 08:50

Matrix: Solid

Date Received: 03/24/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			393101	03/25/22 14:12	NAF	TAL PIT
Instrument ID: NOEQUIP										

Eurofins Pittsburgh

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Client Sample ID: GE-GRC-EXC2

Lab Sample ID: 180-135695-3

Date Collected: 03/23/22 08:50

Matrix: Solid

Date Received: 03/24/22 09:00

Percent Solids: 74.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	393358	03/28/22 20:32	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	394184	04/05/22 04:56	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	394185	04/05/22 04:56	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			394209	04/05/22 11:35	JMO	TAL PIT
Instrument ID: CHGC8										

Client Sample ID: GE-GRC-EXC2-WC-CMP

Lab Sample ID: 180-135695-4

Date Collected: 03/23/22 08:55

Matrix: Solid

Date Received: 03/24/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.06 g	500 mL	394193	04/05/22 15:00	BJT	TAL PIT
TCLP	Analysis	8260D		1	0.25 mL	5 mL	394677	04/08/22 17:22	PJJ	TAL PIT
Instrument ID: CHHP10										
TCLP	Leach	EPA 1311			100.04 g	2000 mL	394108	04/04/22 12:14	BJT	TAL PIT
TCLP	Prep	3510C			200 mL	10.0 mL	394611	04/07/22 09:50	CBY	TAL PIT
TCLP	Analysis	8270E		1	1 mL	1 mL	394662	04/08/22 12:12	VVP	TAL PIT
Instrument ID: CH732										
TCLP	Leach	EPA 1311			100.04 g	2000 mL	394108	04/04/22 12:14	BJT	TAL PIT
TCLP	Prep	3010A			5 mL	50 mL	394299	04/05/22 16:05	KFS	TAL PIT
TCLP	Analysis	6010D		1			394588	04/07/22 11:10	RJG	TAL PIT
Instrument ID: C										
TCLP	Leach	EPA 1311			100.04 g	2000 mL	394108	04/04/22 12:14	BJT	TAL PIT
TCLP	Prep	7470A			50 mL	50 mL	394271	04/05/22 13:35	RJR	TAL PIT
TCLP	Analysis	EPA 7470A		1			394423	04/06/22 11:20	RJR	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	2540G		1			393101	03/25/22 14:12	NAF	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GE-GRC-EXC1

Lab Sample ID: 180-135695-5

Date Collected: 03/23/22 09:05

Matrix: Solid

Date Received: 03/24/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			393101	03/25/22 14:12	NAF	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GE-GRC-EXC1

Lab Sample ID: 180-135695-5

Date Collected: 03/23/22 09:05

Matrix: Solid

Date Received: 03/24/22 09:00

Percent Solids: 72.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	393358	03/28/22 20:32	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	394184	04/05/22 04:56	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	394185	04/05/22 04:56	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			394209	04/05/22 11:53	JMO	TAL PIT
Instrument ID: CHGC8										

Eurofins Pittsburgh

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Client Sample ID: GE-GRC-EXC1-WC-CMP

Lab Sample ID: 180-135695-6

Date Collected: 03/23/22 09:45

Matrix: Solid

Date Received: 03/24/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.05 g	500 mL	394193	04/05/22 15:00	BJT	TAL PIT
TCLP	Analysis	8260D		1	0.25 mL	5 mL	394677	04/08/22 17:47	PJJ	TAL PIT
		Instrument ID: CHHP10								
TCLP	Leach	EPA 1311			100.01 g	2000 mL	394108	04/04/22 12:14	BJT	TAL PIT
TCLP	Prep	3510C			200 mL	10.0 mL	394611	04/07/22 09:50	CBY	TAL PIT
TCLP	Analysis	8270E		1	1 mL	1 mL	394662	04/08/22 12:31	VVP	TAL PIT
		Instrument ID: CH732								
TCLP	Leach	EPA 1311			100.01 g	2000 mL	394108	04/04/22 12:14	BJT	TAL PIT
TCLP	Prep	3010A			5 mL	50 mL	394299	04/05/22 16:05	KFS	TAL PIT
TCLP	Analysis	6010D		1			394588	04/07/22 11:24	RJG	TAL PIT
		Instrument ID: C								
TCLP	Leach	EPA 1311			100.01 g	2000 mL	394108	04/04/22 12:14	BJT	TAL PIT
TCLP	Prep	7470A			50 mL	50 mL	394271	04/05/22 13:35	RJR	TAL PIT
TCLP	Analysis	EPA 7470A		1			394423	04/06/22 11:21	RJR	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	2540G		1			393101	03/25/22 14:12	NAF	TAL PIT
		Instrument ID: NOEQUIP								

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Leach

BJT = Bill Trout

JMO = John Oravec

MRS = Michael Serpa

Batch Type: Prep

CBY = Charles Yushinski

CSC = Chayce Cockroft

KFS = Kelly Shannon

RJR = Ron Rosenbaum

Batch Type: Analysis

APD = Aaron DeLeo

JMO = John Oravec

NAF = Nicholas Frankos

PJJ = Patrick Journet

RJG = Rob Good

RJR = Ron Rosenbaum

VVP = Vincent Piccolino

Eurofins Pittsburgh

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Client Sample ID: GE-GRC-EXC3

Lab Sample ID: 180-135695-1

Date Collected: 03/22/22 13:55

Matrix: Solid

Date Received: 03/24/22 09:00

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☆	03/28/22 20:32	04/05/22 10:39	1
PCB-1221	ND		18	6.3	ug/Kg	☆	03/28/22 20:32	04/05/22 10:39	1
PCB-1232	ND		18	4.4	ug/Kg	☆	03/28/22 20:32	04/05/22 10:39	1
PCB-1242	ND		18	2.6	ug/Kg	☆	03/28/22 20:32	04/05/22 10:39	1
PCB-1248	ND		18	4.3	ug/Kg	☆	03/28/22 20:32	04/05/22 10:39	1
PCB-1254	ND		18	5.4	ug/Kg	☆	03/28/22 20:32	04/05/22 10:39	1
PCB-1260	ND		18	5.1	ug/Kg	☆	03/28/22 20:32	04/05/22 10:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	86		55 - 135	03/28/22 20:32	04/05/22 10:39	1
Tetrachloro-m-xylene (Surr)	84		55 - 135	03/28/22 20:32	04/05/22 10:39	1
DCB Decachlorobiphenyl (Surr)	91		63 - 138	03/28/22 20:32	04/05/22 10:39	1
DCB Decachlorobiphenyl (Surr)	91		63 - 138	03/28/22 20:32	04/05/22 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.2		0.1	0.1	%			03/25/22 14:12	1
Percent Solids	90.8		0.1	0.1	%			03/25/22 14:12	1

Client Sample ID: GE-GRC-EXC3-WC-CMP

Lab Sample ID: 180-135695-2

Date Collected: 03/22/22 14:35

Matrix: Solid

Date Received: 03/24/22 09:00

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.20	0.029	mg/L			04/08/22 16:53	1
2-Butanone (MEK)	ND		0.20	0.058	mg/L			04/08/22 16:53	1
Benzene	ND		0.20	0.039	mg/L			04/08/22 16:53	1
Carbon tetrachloride	ND		0.20	0.066	mg/L			04/08/22 16:53	1
Chlorobenzene	ND		0.20	0.031	mg/L			04/08/22 16:53	1
Chloroform	ND		0.20	0.042	mg/L			04/08/22 16:53	1
Tetrachloroethene	ND		0.20	0.040	mg/L			04/08/22 16:53	1
Trichloroethene	ND		0.20	0.030	mg/L			04/08/22 16:53	1
Vinyl chloride	ND		0.20	0.073	mg/L			04/08/22 16:53	1
1,1-Dichloroethene	ND	+	0.20	0.057	mg/L			04/08/22 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	72		52 - 151		04/08/22 16:53	1
4-Bromofluorobenzene (Surr)	72		49 - 118		04/08/22 16:53	1
Dibromofluoromethane (Surr)	77		60 - 132		04/08/22 16:53	1
Toluene-d8 (Surr)	92		53 - 124		04/08/22 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		04/04/22 11:20	04/05/22 18:19	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		04/04/22 11:20	04/05/22 18:19	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		04/04/22 11:20	04/05/22 18:19	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		04/04/22 11:20	04/05/22 18:19	1
2-Methylphenol	ND		0.050	0.0040	mg/L		04/04/22 11:20	04/05/22 18:19	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		04/04/22 11:20	04/05/22 18:19	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		04/04/22 11:20	04/05/22 18:19	1

Eurofins Pittsburgh

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Client Sample ID: GE-GRC-EXC3-WC-CMP

Lab Sample ID: 180-135695-2

Date Collected: 03/22/22 14:35

Matrix: Solid

Date Received: 03/24/22 09:00

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		04/04/22 11:20	04/05/22 18:19	1
Hexachloroethane	ND		0.050	0.0040	mg/L		04/04/22 11:20	04/05/22 18:19	1
Nitrobenzene	ND		0.050	0.012	mg/L		04/04/22 11:20	04/05/22 18:19	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		04/04/22 11:20	04/05/22 18:19	1
Pyridine	ND		0.10	0.0082	mg/L		04/04/22 11:20	04/05/22 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		55 - 105				04/04/22 11:20	04/05/22 18:19	1
2-Fluorophenol (Surr)	78		55 - 105				04/04/22 11:20	04/05/22 18:19	1
2,4,6-Tribromophenol (Surr)	70		32 - 115				04/04/22 11:20	04/05/22 18:19	1
Nitrobenzene-d5 (Surr)	68		55 - 109				04/04/22 11:20	04/05/22 18:19	1
Phenol-d5 (Surr)	71		48 - 105				04/04/22 11:20	04/05/22 18:19	1
Terphenyl-d14 (Surr)	71		37 - 107				04/04/22 11:20	04/05/22 18:19	1

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.0091	mg/L		04/02/22 10:27	04/04/22 14:24	1
Arsenic	ND		0.50	0.083	mg/L		04/02/22 10:27	04/04/22 14:24	1
Barium	1.2	J	2.0	0.063	mg/L		04/02/22 10:27	04/04/22 14:24	1
Cadmium	ND		0.50	0.0030	mg/L		04/02/22 10:27	04/04/22 14:24	1
Chromium	ND		0.50	0.016	mg/L		04/02/22 10:27	04/04/22 14:24	1
Lead	0.26	J	0.50	0.044	mg/L		04/02/22 10:27	04/04/22 14:24	1
Selenium	ND		0.50	0.037	mg/L		04/02/22 10:27	04/04/22 14:24	1

Method: EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/04/22 07:18	04/04/22 17:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21.6		0.1	0.1	%			03/25/22 14:12	1
Percent Solids	78.4		0.1	0.1	%			03/25/22 14:12	1

Client Sample ID: GE-GRC-EXC2

Lab Sample ID: 180-135695-3

Date Collected: 03/23/22 08:50

Matrix: Solid

Date Received: 03/24/22 09:00

Percent Solids: 74.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	7.1	ug/Kg	✱	03/28/22 20:32	04/05/22 11:35	1
PCB-1221	ND		22	7.8	ug/Kg	✱	03/28/22 20:32	04/05/22 11:35	1
PCB-1232	ND		22	5.3	ug/Kg	✱	03/28/22 20:32	04/05/22 11:35	1
PCB-1242	ND		22	3.2	ug/Kg	✱	03/28/22 20:32	04/05/22 11:35	1
PCB-1248	ND		22	5.3	ug/Kg	✱	03/28/22 20:32	04/05/22 11:35	1
PCB-1254	ND		22	6.6	ug/Kg	✱	03/28/22 20:32	04/05/22 11:35	1
PCB-1260	ND		22	6.2	ug/Kg	✱	03/28/22 20:32	04/05/22 11:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	54	S1-	55 - 135				03/28/22 20:32	04/05/22 11:35	1
Tetrachloro-m-xylene (Surr)	52	S1-	55 - 135				03/28/22 20:32	04/05/22 11:35	1
DCB Decachlorobiphenyl (Surr)	84		63 - 138				03/28/22 20:32	04/05/22 11:35	1

Eurofins Pittsburgh

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Client Sample ID: GE-GRC-EXC2

Lab Sample ID: 180-135695-3

Date Collected: 03/23/22 08:50

Matrix: Solid

Date Received: 03/24/22 09:00

Percent Solids: 74.4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	86		63 - 138	03/28/22 20:32	04/05/22 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	25.6		0.1	0.1	%			03/25/22 14:12	1
Percent Solids	74.4		0.1	0.1	%			03/25/22 14:12	1

Client Sample ID: GE-GRC-EXC2-WC-CMP

Lab Sample ID: 180-135695-4

Date Collected: 03/23/22 08:55

Matrix: Solid

Date Received: 03/24/22 09:00

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.20	0.029	mg/L			04/08/22 17:22	1
2-Butanone (MEK)	ND		0.20	0.058	mg/L			04/08/22 17:22	1
Benzene	ND		0.20	0.039	mg/L			04/08/22 17:22	1
Carbon tetrachloride	ND		0.20	0.066	mg/L			04/08/22 17:22	1
Chlorobenzene	ND		0.20	0.031	mg/L			04/08/22 17:22	1
Chloroform	ND		0.20	0.042	mg/L			04/08/22 17:22	1
Tetrachloroethene	ND		0.20	0.040	mg/L			04/08/22 17:22	1
Trichloroethene	ND		0.20	0.030	mg/L			04/08/22 17:22	1
Vinyl chloride	ND		0.20	0.073	mg/L			04/08/22 17:22	1
1,1-Dichloroethene	ND		0.20	0.057	mg/L			04/08/22 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	65		52 - 151		04/08/22 17:22	1
4-Bromofluorobenzene (Surr)	82		49 - 118		04/08/22 17:22	1
Dibromofluoromethane (Surr)	90		60 - 132		04/08/22 17:22	1
Toluene-d8 (Surr)	75		53 - 124		04/08/22 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		04/07/22 09:50	04/08/22 12:12	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 12:12	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		04/07/22 09:50	04/08/22 12:12	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 12:12	1
2-Methylphenol	ND		0.050	0.0040	mg/L		04/07/22 09:50	04/08/22 12:12	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 12:12	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		04/07/22 09:50	04/08/22 12:12	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		04/07/22 09:50	04/08/22 12:12	1
Hexachloroethane	ND		0.050	0.0040	mg/L		04/07/22 09:50	04/08/22 12:12	1
Nitrobenzene	ND		0.050	0.012	mg/L		04/07/22 09:50	04/08/22 12:12	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		04/07/22 09:50	04/08/22 12:12	1
Pyridine	ND		0.10	0.0082	mg/L		04/07/22 09:50	04/08/22 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		55 - 105	04/07/22 09:50	04/08/22 12:12	1
2-Fluorophenol (Surr)	78		55 - 105	04/07/22 09:50	04/08/22 12:12	1
2,4,6-Tribromophenol (Surr)	76		32 - 115	04/07/22 09:50	04/08/22 12:12	1
Nitrobenzene-d5 (Surr)	74		55 - 109	04/07/22 09:50	04/08/22 12:12	1

Eurofins Pittsburgh

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Client Sample ID: GE-GRC-EXC2-WC-CMP

Lab Sample ID: 180-135695-4

Date Collected: 03/23/22 08:55

Matrix: Solid

Date Received: 03/24/22 09:00

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	75		48 - 105	04/07/22 09:50	04/08/22 12:12	1
Terphenyl-d14 (Surr)	76		37 - 107	04/07/22 09:50	04/08/22 12:12	1

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.0091	mg/L		04/05/22 16:05	04/07/22 11:10	1
Arsenic	ND		0.50	0.083	mg/L		04/05/22 16:05	04/07/22 11:10	1
Barium	0.33	J B	2.0	0.063	mg/L		04/05/22 16:05	04/07/22 11:10	1
Cadmium	ND		0.50	0.0030	mg/L		04/05/22 16:05	04/07/22 11:10	1
Chromium	ND		0.50	0.016	mg/L		04/05/22 16:05	04/07/22 11:10	1
Lead	0.11	J	0.50	0.044	mg/L		04/05/22 16:05	04/07/22 11:10	1
Selenium	ND		0.50	0.037	mg/L		04/05/22 16:05	04/07/22 11:10	1

Method: EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/05/22 13:35	04/06/22 11:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19.8		0.1	0.1	%			03/25/22 14:12	1
Percent Solids	80.2		0.1	0.1	%			03/25/22 14:12	1

Client Sample ID: GE-GRC-EXC1

Lab Sample ID: 180-135695-5

Date Collected: 03/23/22 09:05

Matrix: Solid

Date Received: 03/24/22 09:00

Percent Solids: 72.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	7.4	ug/Kg	☆	03/28/22 20:32	04/05/22 11:53	1
PCB-1221	ND		23	8.1	ug/Kg	☆	03/28/22 20:32	04/05/22 11:53	1
PCB-1232	ND		23	5.5	ug/Kg	☆	03/28/22 20:32	04/05/22 11:53	1
PCB-1242	ND		23	3.3	ug/Kg	☆	03/28/22 20:32	04/05/22 11:53	1
PCB-1248	ND		23	5.5	ug/Kg	☆	03/28/22 20:32	04/05/22 11:53	1
PCB-1254	ND		23	6.8	ug/Kg	☆	03/28/22 20:32	04/05/22 11:53	1
PCB-1260	ND		23	6.5	ug/Kg	☆	03/28/22 20:32	04/05/22 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	73		55 - 135	03/28/22 20:32	04/05/22 11:53	1
Tetrachloro-m-xylene (Surr)	70		55 - 135	03/28/22 20:32	04/05/22 11:53	1
DCB Decachlorobiphenyl (Surr)	75		63 - 138	03/28/22 20:32	04/05/22 11:53	1
DCB Decachlorobiphenyl (Surr)	77		63 - 138	03/28/22 20:32	04/05/22 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	27.8		0.1	0.1	%			03/25/22 14:12	1
Percent Solids	72.2		0.1	0.1	%			03/25/22 14:12	1

Eurofins Pittsburgh

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Client Sample ID: GE-GRC-EXC1-WC-CMP

Lab Sample ID: 180-135695-6

Date Collected: 03/23/22 09:45

Matrix: Solid

Date Received: 03/24/22 09:00

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.20	0.029	mg/L			04/08/22 17:47	1
2-Butanone (MEK)	ND		0.20	0.058	mg/L			04/08/22 17:47	1
Benzene	ND		0.20	0.039	mg/L			04/08/22 17:47	1
Carbon tetrachloride	ND		0.20	0.066	mg/L			04/08/22 17:47	1
Chlorobenzene	ND		0.20	0.031	mg/L			04/08/22 17:47	1
Chloroform	ND		0.20	0.042	mg/L			04/08/22 17:47	1
Tetrachloroethene	ND		0.20	0.040	mg/L			04/08/22 17:47	1
Trichloroethene	ND		0.20	0.030	mg/L			04/08/22 17:47	1
Vinyl chloride	ND		0.20	0.073	mg/L			04/08/22 17:47	1
1,1-Dichloroethene	ND		0.20	0.057	mg/L			04/08/22 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	68		52 - 151		04/08/22 17:47	1
4-Bromofluorobenzene (Surr)	86		49 - 118		04/08/22 17:47	1
Dibromofluoromethane (Surr)	90		60 - 132		04/08/22 17:47	1
Toluene-d8 (Surr)	75		53 - 124		04/08/22 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		04/07/22 09:50	04/08/22 12:31	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 12:31	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		04/07/22 09:50	04/08/22 12:31	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 12:31	1
2-Methylphenol	ND		0.050	0.0040	mg/L		04/07/22 09:50	04/08/22 12:31	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 12:31	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		04/07/22 09:50	04/08/22 12:31	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		04/07/22 09:50	04/08/22 12:31	1
Hexachloroethane	ND		0.050	0.0040	mg/L		04/07/22 09:50	04/08/22 12:31	1
Nitrobenzene	ND		0.050	0.012	mg/L		04/07/22 09:50	04/08/22 12:31	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		04/07/22 09:50	04/08/22 12:31	1
Pyridine	ND		0.10	0.0082	mg/L		04/07/22 09:50	04/08/22 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		55 - 105	04/07/22 09:50	04/08/22 12:31	1
2-Fluorophenol (Surr)	76		55 - 105	04/07/22 09:50	04/08/22 12:31	1
2,4,6-Tribromophenol (Surr)	78		32 - 115	04/07/22 09:50	04/08/22 12:31	1
Nitrobenzene-d5 (Surr)	81		55 - 109	04/07/22 09:50	04/08/22 12:31	1
Phenol-d5 (Surr)	75		48 - 105	04/07/22 09:50	04/08/22 12:31	1
Terphenyl-d14 (Surr)	76		37 - 107	04/07/22 09:50	04/08/22 12:31	1

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.0091	mg/L		04/05/22 16:05	04/07/22 11:24	1
Arsenic	ND		0.50	0.083	mg/L		04/05/22 16:05	04/07/22 11:24	1
Barium	1.0	J B	2.0	0.063	mg/L		04/05/22 16:05	04/07/22 11:24	1
Cadmium	ND		0.50	0.0030	mg/L		04/05/22 16:05	04/07/22 11:24	1
Chromium	ND		0.50	0.016	mg/L		04/05/22 16:05	04/07/22 11:24	1
Lead	0.33	J	0.50	0.044	mg/L		04/05/22 16:05	04/07/22 11:24	1
Selenium	ND		0.50	0.037	mg/L		04/05/22 16:05	04/07/22 11:24	1

Eurofins Pittsburgh

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Client Sample ID: GE-GRC-EXC1-WC-CMP

Lab Sample ID: 180-135695-6

Date Collected: 03/23/22 09:45

Matrix: Solid

Date Received: 03/24/22 09:00

Method: EPA 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/05/22 13:35	04/06/22 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22.4		0.1	0.1	%			03/25/22 14:12	1
Percent Solids	77.6		0.1	0.1	%			03/25/22 14:12	1

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCS 180-394677/15

Matrix: Solid

Analysis Batch: 394677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	0.0400	0.0395		mg/L		99	57 - 149
2-Butanone (MEK)	0.0400	0.0240		mg/L		60	35 - 158
Benzene	0.0400	0.0381		mg/L		95	68 - 122
Carbon tetrachloride	0.0400	0.0412		mg/L		103	60 - 135
Chlorobenzene	0.0400	0.0324		mg/L		81	72 - 123
Chloroform	0.0400	0.0356		mg/L		89	62 - 121
Tetrachloroethene	0.0400	0.0348		mg/L		87	60 - 129
Trichloroethene	0.0400	0.0393		mg/L		98	67 - 121
Vinyl chloride	0.0400	0.0309		mg/L		77	47 - 147
1,1-Dichloroethene	0.0400	0.0371		mg/L		93	49 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		52 - 151
4-Bromofluorobenzene (Surr)	118		49 - 118
Dibromofluoromethane (Surr)	117		60 - 132
Toluene-d8 (Surr)	93		53 - 124

Lab Sample ID: LCS 180-394679/3

Matrix: Solid

Analysis Batch: 394679

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	0.0100	0.0122		mg/L		122	57 - 149
2-Butanone (MEK)	0.0100	0.0108		mg/L		108	35 - 158
Benzene	0.0100	0.0111		mg/L		111	68 - 122
Carbon tetrachloride	0.0100	0.00959	J	mg/L		96	60 - 135
Chlorobenzene	0.0100	0.00963	J	mg/L		96	72 - 123
Chloroform	0.0100	0.00966	J	mg/L		97	62 - 121
Tetrachloroethene	0.0100	0.0104		mg/L		104	60 - 129
Trichloroethene	0.0100	0.0101		mg/L		101	67 - 121
Vinyl chloride	0.0100	0.0135		mg/L		135	47 - 147
1,1-Dichloroethene	0.0100	0.0141	*+	mg/L		141	49 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		52 - 151
4-Bromofluorobenzene (Surr)	92		49 - 118
Dibromofluoromethane (Surr)	81		60 - 132
Toluene-d8 (Surr)	108		53 - 124

Lab Sample ID: LB 180-394193/1-A

Matrix: Solid

Analysis Batch: 394677

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.10	0.015	mg/L			04/08/22 12:08	1
2-Butanone (MEK)	ND		0.10	0.029	mg/L			04/08/22 12:08	1
Benzene	ND		0.10	0.020	mg/L			04/08/22 12:08	1
Carbon tetrachloride	ND		0.10	0.033	mg/L			04/08/22 12:08	1

Eurofins Pittsburgh

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 180-394193/1-A

Matrix: Solid

Analysis Batch: 394677

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.10	0.016	mg/L			04/08/22 12:08	1
Chloroform	ND		0.10	0.021	mg/L			04/08/22 12:08	1
Tetrachloroethene	ND		0.10	0.020	mg/L			04/08/22 12:08	1
Trichloroethene	ND		0.10	0.015	mg/L			04/08/22 12:08	1
Vinyl chloride	ND		0.10	0.037	mg/L			04/08/22 12:08	1
1,1-Dichloroethene	ND		0.10	0.029	mg/L			04/08/22 12:08	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	71		52 - 151		04/08/22 12:08	1
4-Bromofluorobenzene (Surr)	96		49 - 118		04/08/22 12:08	1
Dibromofluoromethane (Surr)	96		60 - 132		04/08/22 12:08	1
Toluene-d8 (Surr)	75		53 - 124		04/08/22 12:08	1

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

Lab Sample ID: MB 180-394127/1-A

Matrix: Solid

Analysis Batch: 394224

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 394127

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		04/04/22 11:20	04/05/22 09:43	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		04/04/22 11:20	04/05/22 09:43	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		04/04/22 11:20	04/05/22 09:43	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		04/04/22 11:20	04/05/22 09:43	1
2-Methylphenol	ND		0.050	0.0040	mg/L		04/04/22 11:20	04/05/22 09:43	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		04/04/22 11:20	04/05/22 09:43	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		04/04/22 11:20	04/05/22 09:43	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		04/04/22 11:20	04/05/22 09:43	1
Hexachloroethane	ND		0.050	0.0040	mg/L		04/04/22 11:20	04/05/22 09:43	1
Nitrobenzene	ND		0.050	0.012	mg/L		04/04/22 11:20	04/05/22 09:43	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		04/04/22 11:20	04/05/22 09:43	1
Pyridine	ND		0.10	0.0082	mg/L		04/04/22 11:20	04/05/22 09:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		55 - 105	04/04/22 11:20	04/05/22 09:43	1
2-Fluorophenol (Surr)	65		55 - 105	04/04/22 11:20	04/05/22 09:43	1
2,4,6-Tribromophenol (Surr)	77		32 - 115	04/04/22 11:20	04/05/22 09:43	1
Nitrobenzene-d5 (Surr)	64		55 - 109	04/04/22 11:20	04/05/22 09:43	1
Phenol-d5 (Surr)	69		48 - 105	04/04/22 11:20	04/05/22 09:43	1
Terphenyl-d14 (Surr)	67		37 - 107	04/04/22 11:20	04/05/22 09:43	1

Lab Sample ID: LCS 180-394127/2-A

Matrix: Solid

Analysis Batch: 394333

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 394127

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.250	0.203		mg/L		81	61 - 100
2,4,5-Trichlorophenol	0.250	0.179		mg/L		72	53 - 104

Eurofins Pittsburgh

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

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

Lab Sample ID: LCS 180-394127/2-A

Matrix: Solid

Analysis Batch: 394333

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 394127

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,6-Trichlorophenol	0.250	0.203		mg/L		81	53 - 103
2,4-Dinitrotoluene	0.250	0.161		mg/L		64	43 - 100
2-Methylphenol	0.250	0.177		mg/L		71	56 - 100
Methylphenol, 3 & 4	0.500	0.394		mg/L		79	59 - 100
Hexachlorobenzene	0.250	0.153		mg/L		61	34 - 100
Hexachlorobutadiene	0.250	0.178		mg/L		71	52 - 110
Hexachloroethane	0.250	0.198		mg/L		79	56 - 100
Nitrobenzene	0.250	0.157		mg/L		63	60 - 100
Pentachlorophenol	0.250	0.169	J	mg/L		67	14 - 112
Pyridine	0.250	0.179		mg/L		72	54 - 107

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	76		55 - 105
2-Fluorophenol (Surr)	74		55 - 105
2,4,6-Tribromophenol (Surr)	87		32 - 115
Nitrobenzene-d5 (Surr)	66		55 - 109
Phenol-d5 (Surr)	76		48 - 105
Terphenyl-d14 (Surr)	71		37 - 107

Lab Sample ID: LCSD 180-394127/3-A

Matrix: Solid

Analysis Batch: 394224

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 394127

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.250	0.185		mg/L		74	61 - 100	4	15
2,4,5-Trichlorophenol	0.250	0.187		mg/L		75	53 - 104	4	15
2,4,6-Trichlorophenol	0.250	0.199		mg/L		80	53 - 103	0	15
2,4-Dinitrotoluene	0.250	0.156		mg/L		62	43 - 100	1	15
2-Methylphenol	0.250	0.192		mg/L		77	56 - 100	3	15
Methylphenol, 3 & 4	0.500	0.392		mg/L		78	59 - 100	2	15
Hexachlorobenzene	0.250	0.148		mg/L		59	34 - 100	5	15
Hexachlorobutadiene	0.250	0.179		mg/L		72	52 - 110	3	15
Hexachloroethane	0.250	0.177		mg/L		71	56 - 100	3	15
Nitrobenzene	0.250	0.158		mg/L		63	60 - 100	9	15
Pentachlorophenol	0.250	0.172	J	mg/L		69	14 - 112	7	18
Pyridine	0.250	0.160		mg/L		64	54 - 107	1	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	72		55 - 105
2-Fluorophenol (Surr)	73		55 - 105
2,4,6-Tribromophenol (Surr)	87		32 - 115
Nitrobenzene-d5 (Surr)	68		55 - 109
Phenol-d5 (Surr)	77		48 - 105
Terphenyl-d14 (Surr)	72		37 - 107

Eurofins Pittsburgh

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

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

Lab Sample ID: MB 180-394611/1-A

Matrix: Solid

Analysis Batch: 394662

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 394611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		04/07/22 09:50	04/08/22 08:28	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 08:28	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		04/07/22 09:50	04/08/22 08:28	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 08:28	1
2-Methylphenol	ND		0.050	0.0040	mg/L		04/07/22 09:50	04/08/22 08:28	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 08:28	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		04/07/22 09:50	04/08/22 08:28	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		04/07/22 09:50	04/08/22 08:28	1
Hexachloroethane	ND		0.050	0.0040	mg/L		04/07/22 09:50	04/08/22 08:28	1
Nitrobenzene	ND		0.050	0.012	mg/L		04/07/22 09:50	04/08/22 08:28	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		04/07/22 09:50	04/08/22 08:28	1
Pyridine	ND		0.10	0.0082	mg/L		04/07/22 09:50	04/08/22 08:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		55 - 105	04/07/22 09:50	04/08/22 08:28	1
2-Fluorophenol (Surr)	69		55 - 105	04/07/22 09:50	04/08/22 08:28	1
2,4,6-Tribromophenol (Surr)	74		32 - 115	04/07/22 09:50	04/08/22 08:28	1
Nitrobenzene-d5 (Surr)	69		55 - 109	04/07/22 09:50	04/08/22 08:28	1
Phenol-d5 (Surr)	72		48 - 105	04/07/22 09:50	04/08/22 08:28	1
Terphenyl-d14 (Surr)	64		37 - 107	04/07/22 09:50	04/08/22 08:28	1

Lab Sample ID: LCS 180-394611/2-A

Matrix: Solid

Analysis Batch: 394662

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 394611

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,4-Dichlorobenzene	0.250	0.219		mg/L		88	61 - 100
2,4,5-Trichlorophenol	0.250	0.208		mg/L		83	53 - 104
2,4,6-Trichlorophenol	0.250	0.214		mg/L		85	53 - 103
2,4-Dinitrotoluene	0.250	0.166		mg/L		67	43 - 100
2-Methylphenol	0.250	0.206		mg/L		82	56 - 100
Methylphenol, 3 & 4	0.500	0.436		mg/L		87	59 - 100
Hexachlorobenzene	0.250	0.167		mg/L		67	34 - 100
Hexachlorobutadiene	0.250	0.179		mg/L		72	52 - 110
Hexachloroethane	0.250	0.199		mg/L		80	56 - 100
Nitrobenzene	0.250	0.171		mg/L		68	60 - 100
Pentachlorophenol	0.250	0.182	J	mg/L		73	14 - 112
Pyridine	0.250	0.186		mg/L		74	54 - 107

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	82		55 - 105
2-Fluorophenol (Surr)	82		55 - 105
2,4,6-Tribromophenol (Surr)	90		32 - 115
Nitrobenzene-d5 (Surr)	75		55 - 109
Phenol-d5 (Surr)	85		48 - 105
Terphenyl-d14 (Surr)	75		37 - 107

Eurofins Pittsburgh

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

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

Lab Sample ID: LCSD 180-394611/3-A

Matrix: Solid

Analysis Batch: 394662

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 394611

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.250	0.192		mg/L		77	61 - 100	13	15
2,4,5-Trichlorophenol	0.250	0.187		mg/L		75	53 - 104	11	15
2,4,6-Trichlorophenol	0.250	0.202		mg/L		81	53 - 103	6	15
2,4-Dinitrotoluene	0.250	0.160		mg/L		64	43 - 100	4	15
2-Methylphenol	0.250	0.186		mg/L		74	56 - 100	10	15
Methylphenol, 3 & 4	0.500	0.410		mg/L		82	59 - 100	6	15
Hexachlorobenzene	0.250	0.170		mg/L		68	34 - 100	2	15
Hexachlorobutadiene	0.250	0.184		mg/L		73	52 - 110	3	15
Hexachloroethane	0.250	0.202		mg/L		81	56 - 100	2	15
Nitrobenzene	0.250	0.172		mg/L		69	60 - 100	1	15
Pentachlorophenol	0.250	0.190	J	mg/L		76	14 - 112	4	18
Pyridine	0.250	0.197		mg/L		79	54 - 107	6	15

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2-Fluorobiphenyl	77		55 - 105
2-Fluorophenol (Surr)	74		55 - 105
2,4,6-Tribromophenol (Surr)	91		32 - 115
Nitrobenzene-d5 (Surr)	74		55 - 109
Phenol-d5 (Surr)	76		48 - 105
Terphenyl-d14 (Surr)	75		37 - 107

Lab Sample ID: LB 180-393905/1-E

Matrix: Solid

Analysis Batch: 394224

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 394127

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		04/04/22 11:20	04/05/22 11:57	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		04/04/22 11:20	04/05/22 11:57	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		04/04/22 11:20	04/05/22 11:57	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		04/04/22 11:20	04/05/22 11:57	1
2-Methylphenol	ND		0.050	0.0040	mg/L		04/04/22 11:20	04/05/22 11:57	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		04/04/22 11:20	04/05/22 11:57	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		04/04/22 11:20	04/05/22 11:57	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		04/04/22 11:20	04/05/22 11:57	1
Hexachloroethane	ND		0.050	0.0040	mg/L		04/04/22 11:20	04/05/22 11:57	1
Nitrobenzene	ND		0.050	0.012	mg/L		04/04/22 11:20	04/05/22 11:57	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		04/04/22 11:20	04/05/22 11:57	1
Pyridine	ND		0.10	0.0082	mg/L		04/04/22 11:20	04/05/22 11:57	1

Surrogate	LB %Recovery	LB Qualifier	LB Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	69		55 - 105	04/04/22 11:20	04/05/22 11:57	1
2-Fluorophenol (Surr)	69		55 - 105	04/04/22 11:20	04/05/22 11:57	1
2,4,6-Tribromophenol (Surr)	77		32 - 115	04/04/22 11:20	04/05/22 11:57	1
Nitrobenzene-d5 (Surr)	62		55 - 109	04/04/22 11:20	04/05/22 11:57	1
Phenol-d5 (Surr)	71		48 - 105	04/04/22 11:20	04/05/22 11:57	1
Terphenyl-d14 (Surr)	67		37 - 107	04/04/22 11:20	04/05/22 11:57	1

Eurofins Pittsburgh

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

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

Lab Sample ID: LB 180-394108/1-G

Matrix: Solid

Analysis Batch: 394662

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 394611

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		04/07/22 09:50	04/08/22 09:25	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 09:25	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		04/07/22 09:50	04/08/22 09:25	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 09:25	1
2-Methylphenol	ND		0.050	0.0040	mg/L		04/07/22 09:50	04/08/22 09:25	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		04/07/22 09:50	04/08/22 09:25	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		04/07/22 09:50	04/08/22 09:25	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		04/07/22 09:50	04/08/22 09:25	1
Hexachloroethane	ND		0.050	0.0040	mg/L		04/07/22 09:50	04/08/22 09:25	1
Nitrobenzene	ND		0.050	0.012	mg/L		04/07/22 09:50	04/08/22 09:25	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		04/07/22 09:50	04/08/22 09:25	1
Pyridine	ND		0.10	0.0082	mg/L		04/07/22 09:50	04/08/22 09:25	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		55 - 105	04/07/22 09:50	04/08/22 09:25	1
2-Fluorophenol (Surr)	72		55 - 105	04/07/22 09:50	04/08/22 09:25	1
2,4,6-Tribromophenol (Surr)	78		32 - 115	04/07/22 09:50	04/08/22 09:25	1
Nitrobenzene-d5 (Surr)	72		55 - 109	04/07/22 09:50	04/08/22 09:25	1
Phenol-d5 (Surr)	76		48 - 105	04/07/22 09:50	04/08/22 09:25	1
Terphenyl-d14 (Surr)	70		37 - 107	04/07/22 09:50	04/08/22 09:25	1

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

Lab Sample ID: MB 180-393358/1-A

Matrix: Solid

Analysis Batch: 394209

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 393358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		03/28/22 20:32	04/05/22 10:01	1
PCB-1221	ND		17	5.9	ug/Kg		03/28/22 20:32	04/05/22 10:01	1
PCB-1232	ND		17	4.1	ug/Kg		03/28/22 20:32	04/05/22 10:01	1
PCB-1242	ND		17	2.4	ug/Kg		03/28/22 20:32	04/05/22 10:01	1
PCB-1248	ND		17	4.0	ug/Kg		03/28/22 20:32	04/05/22 10:01	1
PCB-1254	ND		17	5.0	ug/Kg		03/28/22 20:32	04/05/22 10:01	1
PCB-1260	ND		17	4.7	ug/Kg		03/28/22 20:32	04/05/22 10:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	88		55 - 135	03/28/22 20:32	04/05/22 10:01	1
Tetrachloro-m-xylene (Surr)	82		55 - 135	03/28/22 20:32	04/05/22 10:01	1
DCB Decachlorobiphenyl (Surr)	90		63 - 138	03/28/22 20:32	04/05/22 10:01	1
DCB Decachlorobiphenyl (Surr)	101		63 - 138	03/28/22 20:32	04/05/22 10:01	1

Lab Sample ID: LCS 180-393358/2-A

Matrix: Solid

Analysis Batch: 394209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 393358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1030		ug/Kg		77	43 - 136

Eurofins Pittsburgh

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

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

Lab Sample ID: LCS 180-393358/2-A

Matrix: Solid

Analysis Batch: 394209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 393358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1260	1330	1260		ug/Kg		94	55 - 128
Surrogate	%Recovery	LCS Qualifier	Limits				
Tetrachloro-m-xylene (Surr)	84		55 - 135				
Tetrachloro-m-xylene (Surr)	80		55 - 135				
DCB Decachlorobiphenyl (Surr)	90		63 - 138				
DCB Decachlorobiphenyl (Surr)	94		63 - 138				

Lab Sample ID: 180-135695-1 MS

Matrix: Solid

Analysis Batch: 394209

Client Sample ID: GE-GRC-EXC3

Prep Type: Total/NA

Prep Batch: 393358

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1450	1130		ug/Kg	✱	78	43 - 136
PCB-1260	ND		1450	1270		ug/Kg	✱	87	55 - 128
Surrogate	%Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene (Surr)	84		55 - 135						
Tetrachloro-m-xylene (Surr)	79		55 - 135						
DCB Decachlorobiphenyl (Surr)	81		63 - 138						
DCB Decachlorobiphenyl (Surr)	86		63 - 138						

Lab Sample ID: 180-135695-1 MSD

Matrix: Solid

Analysis Batch: 394209

Client Sample ID: GE-GRC-EXC3

Prep Type: Total/NA

Prep Batch: 393358

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
PCB-1016	ND		1460	1140		ug/Kg	✱	78	43 - 136	1	40
PCB-1260	ND		1460	1300		ug/Kg	✱	89	55 - 128	3	32
Surrogate	%Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene (Surr)	83		55 - 135								
Tetrachloro-m-xylene (Surr)	80		55 - 135								
DCB Decachlorobiphenyl (Surr)	84		63 - 138								
DCB Decachlorobiphenyl (Surr)	88		63 - 138								

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 180-393990/1-A

Matrix: Solid

Analysis Batch: 394194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 393990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.050	0.00091	mg/L		04/02/22 10:27	04/04/22 12:29	1
Arsenic	ND		0.050	0.0083	mg/L		04/02/22 10:27	04/04/22 12:29	1
Barium	ND		0.20	0.0063	mg/L		04/02/22 10:27	04/04/22 12:29	1
Cadmium	ND		0.050	0.00030	mg/L		04/02/22 10:27	04/04/22 12:29	1
Chromium	ND		0.050	0.0016	mg/L		04/02/22 10:27	04/04/22 12:29	1

Eurofins Pittsburgh

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 180-393990/1-A

Matrix: Solid

Analysis Batch: 394194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 393990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050	0.0044	mg/L		04/02/22 10:27	04/04/22 12:29	1
Selenium	ND		0.050	0.0037	mg/L		04/02/22 10:27	04/04/22 12:29	1

Lab Sample ID: LCS 180-393990/2-A

Matrix: Solid

Analysis Batch: 394194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 393990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.250	0.257		mg/L		103	80 - 120
Arsenic	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	0.985		mg/L		99	80 - 120
Cadmium	0.500	0.516		mg/L		103	80 - 120
Chromium	0.500	0.476		mg/L		95	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120
Selenium	1.00	1.09		mg/L		109	80 - 120

Lab Sample ID: MB 180-394299/1-A

Matrix: Solid

Analysis Batch: 394588

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 394299

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.050	0.00091	mg/L		04/05/22 16:05	04/07/22 10:16	1
Arsenic	ND		0.050	0.0083	mg/L		04/05/22 16:05	04/07/22 10:16	1
Barium	ND		0.20	0.0063	mg/L		04/05/22 16:05	04/07/22 10:16	1
Cadmium	ND		0.050	0.00030	mg/L		04/05/22 16:05	04/07/22 10:16	1
Chromium	ND		0.050	0.0016	mg/L		04/05/22 16:05	04/07/22 10:16	1
Lead	ND		0.050	0.0044	mg/L		04/05/22 16:05	04/07/22 10:16	1
Selenium	ND		0.050	0.0037	mg/L		04/05/22 16:05	04/07/22 10:16	1

Lab Sample ID: LCS 180-394299/2-A

Matrix: Solid

Analysis Batch: 394588

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 394299

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.250	0.245		mg/L		98	80 - 120
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	0.954		mg/L		95	80 - 120
Cadmium	0.500	0.494		mg/L		99	80 - 120
Chromium	0.500	0.481		mg/L		96	80 - 120
Lead	0.500	0.482		mg/L		96	80 - 120
Selenium	1.00	0.992		mg/L		99	80 - 120

Lab Sample ID: LB 180-393905/1-B

Matrix: Solid

Analysis Batch: 394194

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 393990

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.0091	mg/L		04/02/22 10:27	04/04/22 12:38	1
Arsenic	ND		0.50	0.083	mg/L		04/02/22 10:27	04/04/22 12:38	1
Barium	ND		2.0	0.063	mg/L		04/02/22 10:27	04/04/22 12:38	1

Eurofins Pittsburgh

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LB 180-393905/1-B

Matrix: Solid

Analysis Batch: 394194

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 393990

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.50	0.0030	mg/L		04/02/22 10:27	04/04/22 12:38	1
Chromium	ND		0.50	0.016	mg/L		04/02/22 10:27	04/04/22 12:38	1
Lead	ND		0.50	0.044	mg/L		04/02/22 10:27	04/04/22 12:38	1
Selenium	ND		0.50	0.037	mg/L		04/02/22 10:27	04/04/22 12:38	1

Lab Sample ID: LB 180-394108/1-C

Matrix: Solid

Analysis Batch: 394588

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 394299

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.0091	mg/L		04/05/22 16:05	04/07/22 10:34	1
Arsenic	ND		0.50	0.083	mg/L		04/05/22 16:05	04/07/22 10:34	1
Barium	0.446	J	2.0	0.063	mg/L		04/05/22 16:05	04/07/22 10:34	1
Cadmium	ND		0.50	0.0030	mg/L		04/05/22 16:05	04/07/22 10:34	1
Chromium	ND		0.50	0.016	mg/L		04/05/22 16:05	04/07/22 10:34	1
Lead	ND		0.50	0.044	mg/L		04/05/22 16:05	04/07/22 10:34	1
Selenium	ND		0.50	0.037	mg/L		04/05/22 16:05	04/07/22 10:34	1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-394063/1-A

Matrix: Solid

Analysis Batch: 394171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 394063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/04/22 07:18	04/04/22 17:18	1

Lab Sample ID: LCS 180-394063/2-A

Matrix: Solid

Analysis Batch: 394171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 394063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00258		mg/L		103	80 - 120

Lab Sample ID: MB 180-394271/1-A

Matrix: Solid

Analysis Batch: 394423

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 394271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/05/22 13:35	04/06/22 12:12	1

Lab Sample ID: LCS 180-394271/2-A

Matrix: Solid

Analysis Batch: 394423

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 394271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00250		mg/L		100	80 - 120

Eurofins Pittsburgh

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 180-393905/1-C
Matrix: Solid
Analysis Batch: 394171

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 394063

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/04/22 07:18	04/04/22 17:20	1

Lab Sample ID: LB 180-394108/1-B
Matrix: Solid
Analysis Batch: 394423

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 394271

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/05/22 13:35	04/06/22 11:14	1

Method: 2540G - SM 2540G

Lab Sample ID: 180-135695-5 DU
Matrix: Solid
Analysis Batch: 393101

Client Sample ID: GE-GRC-EXC1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	27.8		26.8		%		4	10
Percent Solids	72.2		73.2		%		1	10

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

GC/MS VOA

Leach Batch: 394193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-2	GE-GRC-EXC3-WC-CMP	TCLP	Solid	1311	
180-135695-4	GE-GRC-EXC2-WC-CMP	TCLP	Solid	1311	
180-135695-6	GE-GRC-EXC1-WC-CMP	TCLP	Solid	1311	
LB 180-394193/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 394677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-4	GE-GRC-EXC2-WC-CMP	TCLP	Solid	8260D	394193
180-135695-6	GE-GRC-EXC1-WC-CMP	TCLP	Solid	8260D	394193
LB 180-394193/1-A	Method Blank	TCLP	Solid	8260D	394193
LCS 180-394677/15	Lab Control Sample	Total/NA	Solid	8260D	

Analysis Batch: 394679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-2	GE-GRC-EXC3-WC-CMP	TCLP	Solid	8260D	394193
LCS 180-394679/3	Lab Control Sample	Total/NA	Solid	8260D	

GC/MS Semi VOA

Leach Batch: 393905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-2	GE-GRC-EXC3-WC-CMP	TCLP	Solid	EPA 1311	
LB 180-393905/1-E	Method Blank	TCLP	Solid	EPA 1311	

Leach Batch: 394108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-4	GE-GRC-EXC2-WC-CMP	TCLP	Solid	EPA 1311	
180-135695-6	GE-GRC-EXC1-WC-CMP	TCLP	Solid	EPA 1311	
LB 180-394108/1-G	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 394127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-2	GE-GRC-EXC3-WC-CMP	TCLP	Solid	3510C	393905
LB 180-393905/1-E	Method Blank	TCLP	Solid	3510C	393905
MB 180-394127/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 180-394127/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 180-394127/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 394224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-2	GE-GRC-EXC3-WC-CMP	TCLP	Solid	8270E	394127
LB 180-393905/1-E	Method Blank	TCLP	Solid	8270E	394127
MB 180-394127/1-A	Method Blank	Total/NA	Solid	8270E	394127
LCSD 180-394127/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	394127

Analysis Batch: 394333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-394127/2-A	Lab Control Sample	Total/NA	Solid	8270E	394127

Eurofins Pittsburgh

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

GC/MS Semi VOA

Prep Batch: 394611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-4	GE-GRC-EXC2-WC-CMP	TCLP	Solid	3510C	394108
180-135695-6	GE-GRC-EXC1-WC-CMP	TCLP	Solid	3510C	394108
LB 180-394108/1-G	Method Blank	TCLP	Solid	3510C	394108
MB 180-394611/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 180-394611/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 180-394611/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 394662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-4	GE-GRC-EXC2-WC-CMP	TCLP	Solid	8270E	394611
180-135695-6	GE-GRC-EXC1-WC-CMP	TCLP	Solid	8270E	394611
LB 180-394108/1-G	Method Blank	TCLP	Solid	8270E	394611
MB 180-394611/1-A	Method Blank	Total/NA	Solid	8270E	394611
LCS 180-394611/2-A	Lab Control Sample	Total/NA	Solid	8270E	394611
LCSD 180-394611/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	394611

GC Semi VOA

Prep Batch: 393358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-1	GE-GRC-EXC3	Total/NA	Solid	3541	
180-135695-3	GE-GRC-EXC2	Total/NA	Solid	3541	
180-135695-5	GE-GRC-EXC1	Total/NA	Solid	3541	
MB 180-393358/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-393358/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-135695-1 MS	GE-GRC-EXC3	Total/NA	Solid	3541	
180-135695-1 MSD	GE-GRC-EXC3	Total/NA	Solid	3541	

Cleanup Batch: 394184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-1	GE-GRC-EXC3	Total/NA	Solid	3665A	393358
180-135695-3	GE-GRC-EXC2	Total/NA	Solid	3665A	393358
180-135695-5	GE-GRC-EXC1	Total/NA	Solid	3665A	393358
180-135695-1 MS	GE-GRC-EXC3	Total/NA	Solid	3665A	393358
180-135695-1 MSD	GE-GRC-EXC3	Total/NA	Solid	3665A	393358

Cleanup Batch: 394185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-1	GE-GRC-EXC3	Total/NA	Solid	3660B	394184
180-135695-3	GE-GRC-EXC2	Total/NA	Solid	3660B	394184
180-135695-5	GE-GRC-EXC1	Total/NA	Solid	3660B	394184
180-135695-1 MS	GE-GRC-EXC3	Total/NA	Solid	3660B	394184
180-135695-1 MSD	GE-GRC-EXC3	Total/NA	Solid	3660B	394184

Analysis Batch: 394209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-1	GE-GRC-EXC3	Total/NA	Solid	EPA 8082A	394185
180-135695-3	GE-GRC-EXC2	Total/NA	Solid	EPA 8082A	394185
180-135695-5	GE-GRC-EXC1	Total/NA	Solid	EPA 8082A	394185
MB 180-393358/1-A	Method Blank	Total/NA	Solid	EPA 8082A	393358
LCS 180-393358/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	393358

Eurofins Pittsburgh

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

GC Semi VOA (Continued)

Analysis Batch: 394209 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-1 MS	GE-GRC-EXC3	Total/NA	Solid	EPA 8082A	394185
180-135695-1 MSD	GE-GRC-EXC3	Total/NA	Solid	EPA 8082A	394185

Metals

Leach Batch: 393905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-2	GE-GRC-EXC3-WC-CMP	TCLP	Solid	EPA 1311	
LB 180-393905/1-B	Method Blank	TCLP	Solid	EPA 1311	
LB 180-393905/1-C	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 393990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-2	GE-GRC-EXC3-WC-CMP	TCLP	Solid	3010A	393905
LB 180-393905/1-B	Method Blank	TCLP	Solid	3010A	393905
MB 180-393990/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-393990/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 394063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-2	GE-GRC-EXC3-WC-CMP	TCLP	Solid	7470A	393905
LB 180-393905/1-C	Method Blank	TCLP	Solid	7470A	393905
MB 180-394063/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-394063/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Leach Batch: 394108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-4	GE-GRC-EXC2-WC-CMP	TCLP	Solid	EPA 1311	
180-135695-6	GE-GRC-EXC1-WC-CMP	TCLP	Solid	EPA 1311	
LB 180-394108/1-B	Method Blank	TCLP	Solid	EPA 1311	
LB 180-394108/1-C	Method Blank	TCLP	Solid	EPA 1311	

Analysis Batch: 394171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-2	GE-GRC-EXC3-WC-CMP	TCLP	Solid	EPA 7470A	394063
LB 180-393905/1-C	Method Blank	TCLP	Solid	EPA 7470A	394063
MB 180-394063/1-A	Method Blank	Total/NA	Solid	EPA 7470A	394063
LCS 180-394063/2-A	Lab Control Sample	Total/NA	Solid	EPA 7470A	394063

Analysis Batch: 394194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-2	GE-GRC-EXC3-WC-CMP	TCLP	Solid	6010D	393990
LB 180-393905/1-B	Method Blank	TCLP	Solid	6010D	393990
MB 180-393990/1-A	Method Blank	Total/NA	Solid	6010D	393990
LCS 180-393990/2-A	Lab Control Sample	Total/NA	Solid	6010D	393990

Prep Batch: 394271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-4	GE-GRC-EXC2-WC-CMP	TCLP	Solid	7470A	394108
180-135695-6	GE-GRC-EXC1-WC-CMP	TCLP	Solid	7470A	394108
LB 180-394108/1-B	Method Blank	TCLP	Solid	7470A	394108

Eurofins Pittsburgh

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Niskayuna

Job ID: 180-135695-1

Metals (Continued)

Prep Batch: 394271 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-394271/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-394271/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Prep Batch: 394299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-4	GE-GRC-EXC2-WC-CMP	TCLP	Solid	3010A	394108
180-135695-6	GE-GRC-EXC1-WC-CMP	TCLP	Solid	3010A	394108
LB 180-394108/1-C	Method Blank	TCLP	Solid	3010A	394108
MB 180-394299/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-394299/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 394423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-4	GE-GRC-EXC2-WC-CMP	TCLP	Solid	EPA 7470A	394271
180-135695-6	GE-GRC-EXC1-WC-CMP	TCLP	Solid	EPA 7470A	394271
LB 180-394108/1-B	Method Blank	TCLP	Solid	EPA 7470A	394271
MB 180-394271/1-A	Method Blank	Total/NA	Solid	EPA 7470A	394271
LCS 180-394271/2-A	Lab Control Sample	Total/NA	Solid	EPA 7470A	394271

Analysis Batch: 394588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-4	GE-GRC-EXC2-WC-CMP	TCLP	Solid	6010D	394299
180-135695-6	GE-GRC-EXC1-WC-CMP	TCLP	Solid	6010D	394299
LB 180-394108/1-C	Method Blank	TCLP	Solid	6010D	394299
MB 180-394299/1-A	Method Blank	Total/NA	Solid	6010D	394299
LCS 180-394299/2-A	Lab Control Sample	Total/NA	Solid	6010D	394299

General Chemistry

Analysis Batch: 393101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135695-1	GE-GRC-EXC3	Total/NA	Solid	2540G	
180-135695-2	GE-GRC-EXC3-WC-CMP	Total/NA	Solid	2540G	
180-135695-3	GE-GRC-EXC2	Total/NA	Solid	2540G	
180-135695-4	GE-GRC-EXC2-WC-CMP	Total/NA	Solid	2540G	
180-135695-5	GE-GRC-EXC1	Total/NA	Solid	2540G	
180-135695-6	GE-GRC-EXC1-WC-CMP	Total/NA	Solid	2540G	
180-135695-5 DU	GE-GRC-EXC1	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

eurolins Environment Testing
America

Ver: 06/08/2021 4/12/2022

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 180-135695-1

Login Number: 135695

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment B

NYSDOH Generic Community Air Monitoring Plan

Appendix 1A

New York State Department of Health Generic Community Air Monitoring Plan

Overview

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

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

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

Community Air Monitoring Plan

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

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

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

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

VOC Monitoring, Response Levels, and Actions

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

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

Particulate Monitoring, Response Levels, and Actions

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

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed $150 \text{ mcg}/\text{m}^3$ above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than $150 \text{ mcg}/\text{m}^3$ above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within $150 \text{ mcg}/\text{m}^3$ of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009